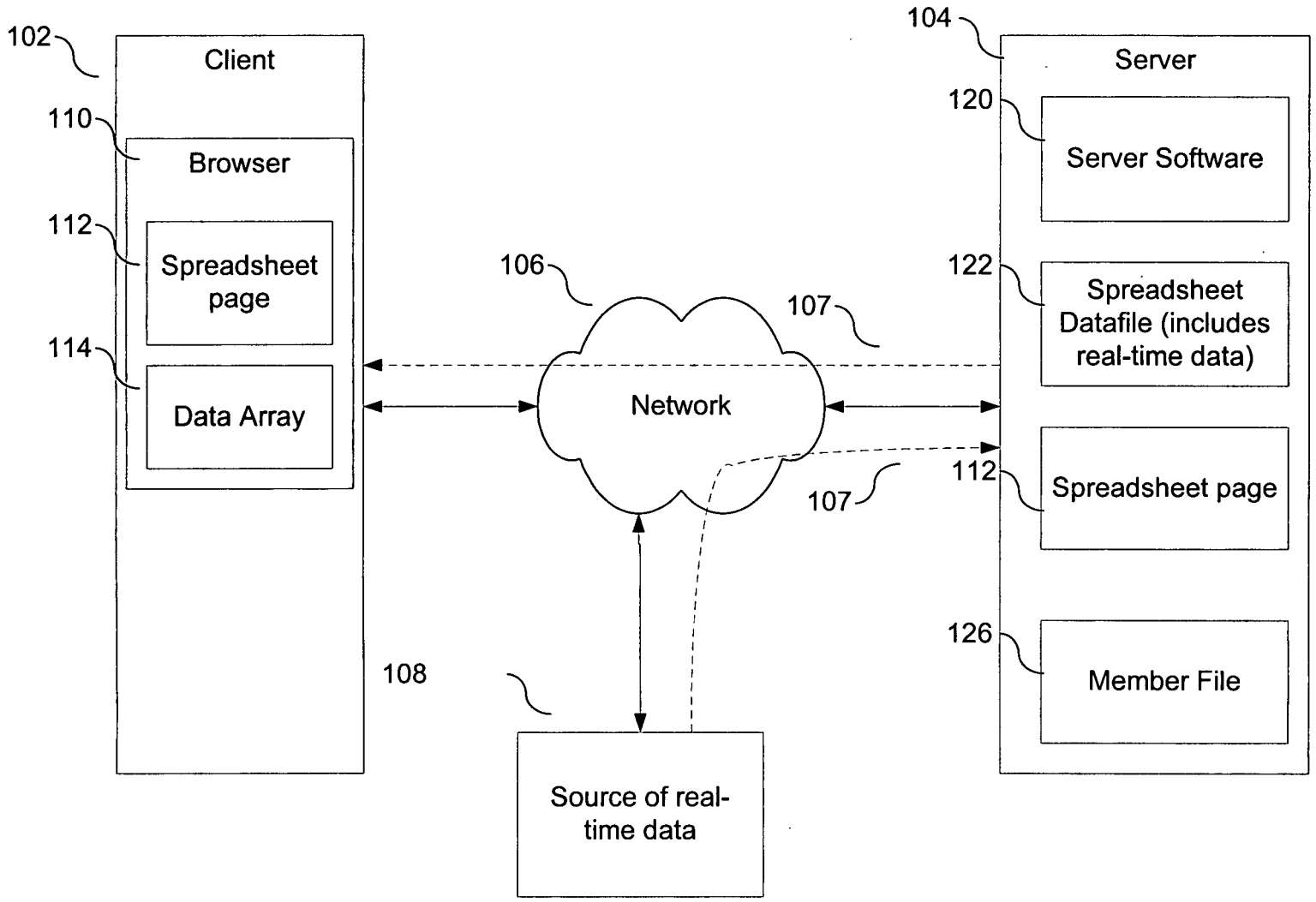
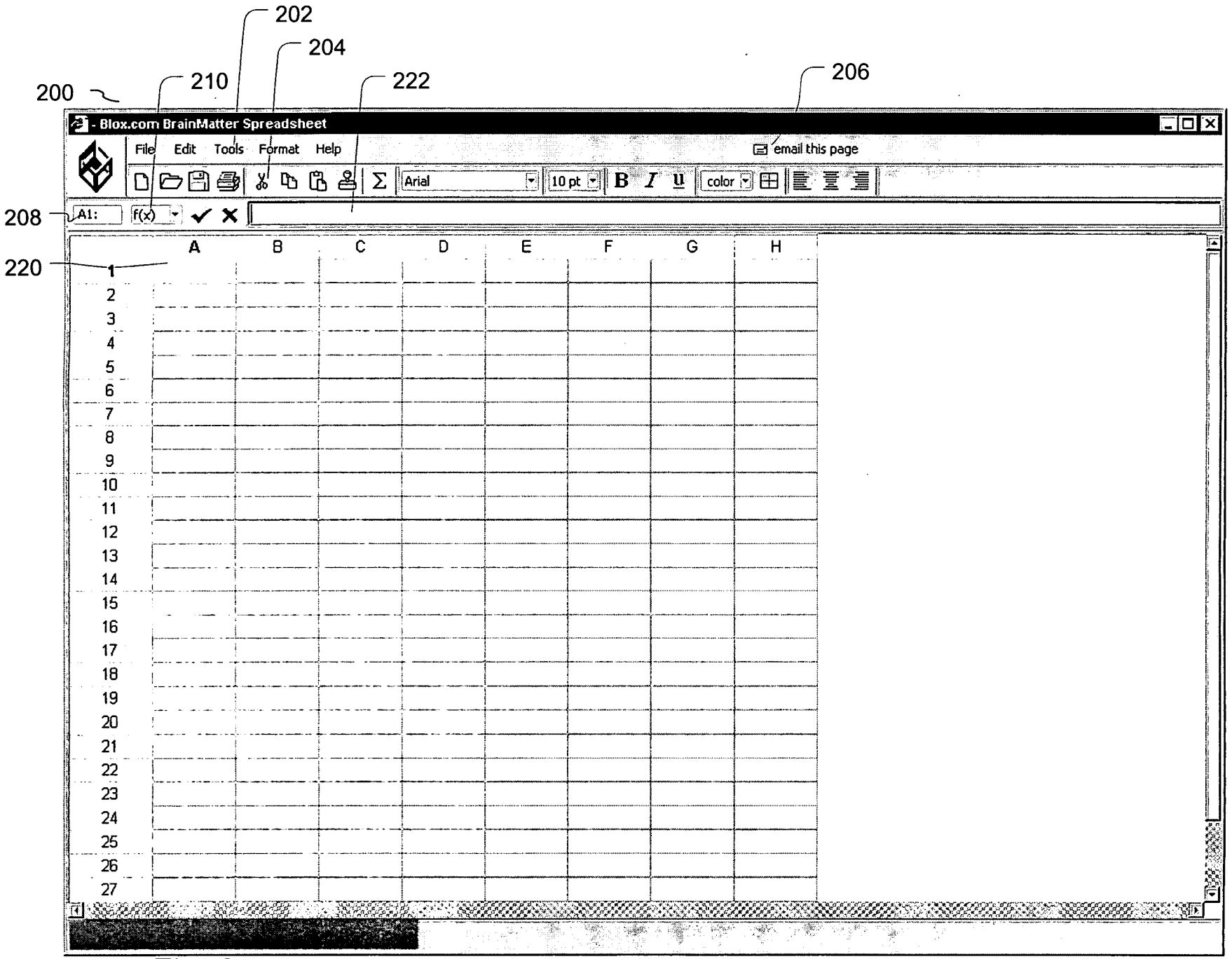

102
Client
110
Browser
112
Spreadsheet page
114
Data Array
106
Network
107
107
108
Source of real-time data
104
Server
120
Server Software
122
Spreadsheet Datafile (includes real-time data)
112
Spreadsheet page
126
Member File

Fig. 1


200
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204
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222
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208
220
- Blox.com BrainMatter Spreadsheet
File
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Fig. 2

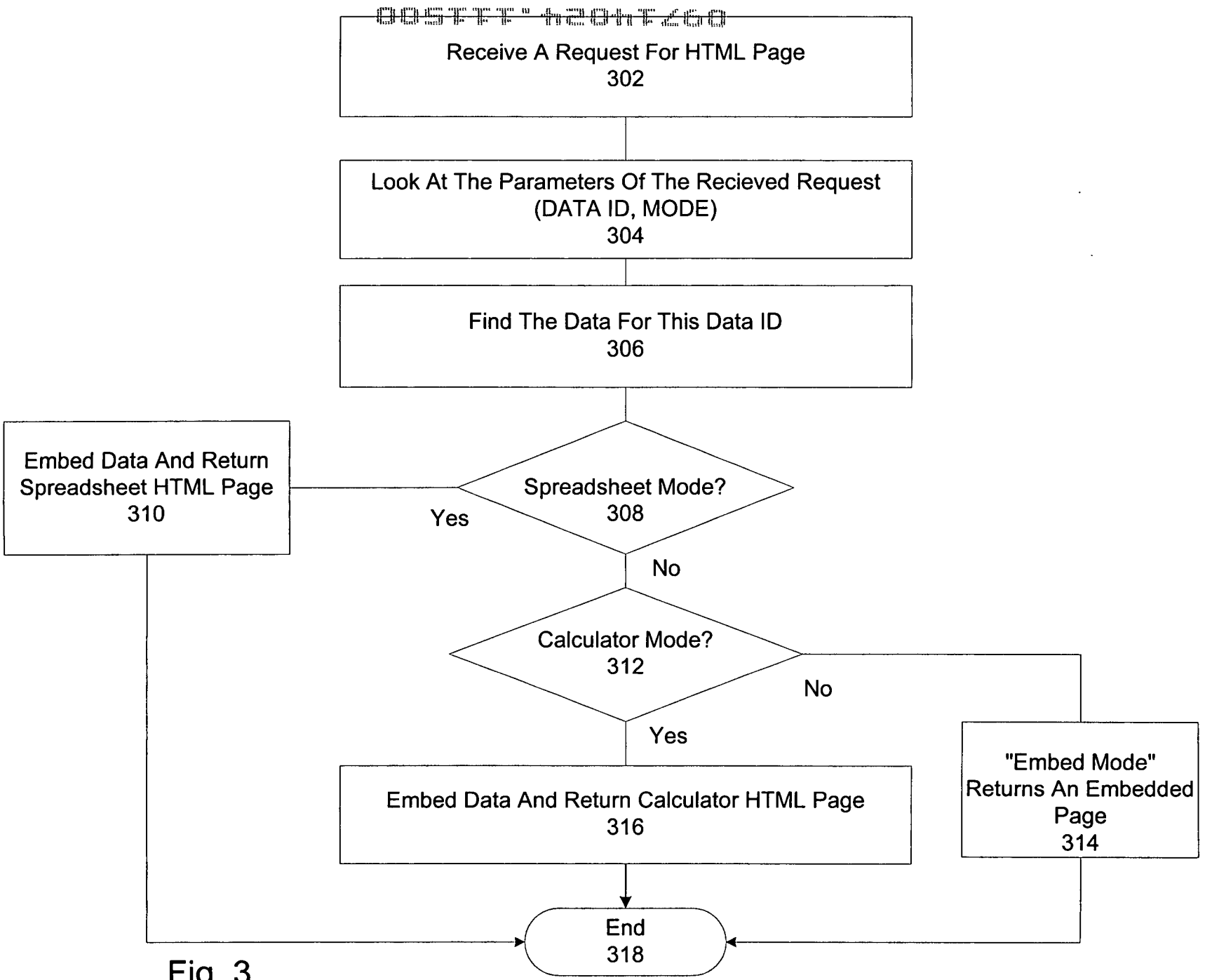
Receive A Request For HTML Page
302
Look At The Parameters Of The Recieved Request
(DATA ID, MODE)
304
Find The Data For This Data ID
306
Spreadsheet Mode?
308
Yes
Embed Data And Return
Spreadsheet HTML Page
310
No
Calculator Mode?
312
No
Yes
"Embed Mode"
Returns An Embedded
Page
314
Embed Data And Return Calculator HTML Page
316
End
318

Fig. 3
Server

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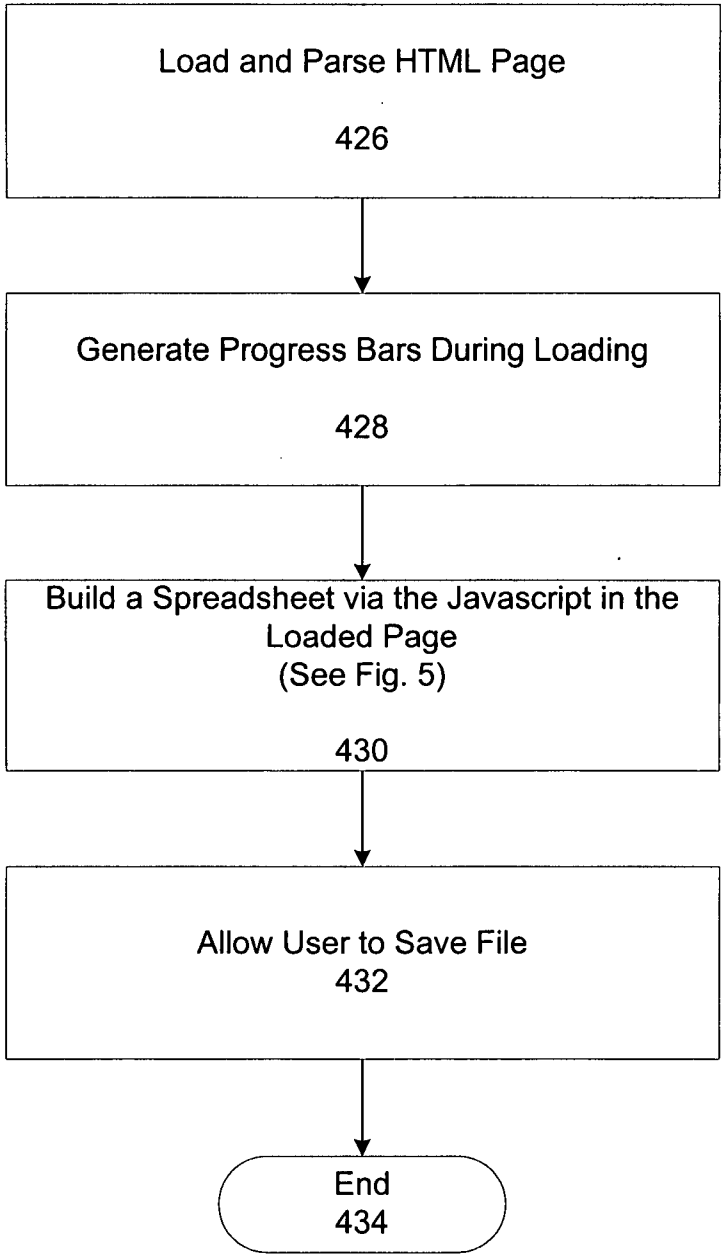


Fig. 4
Browser

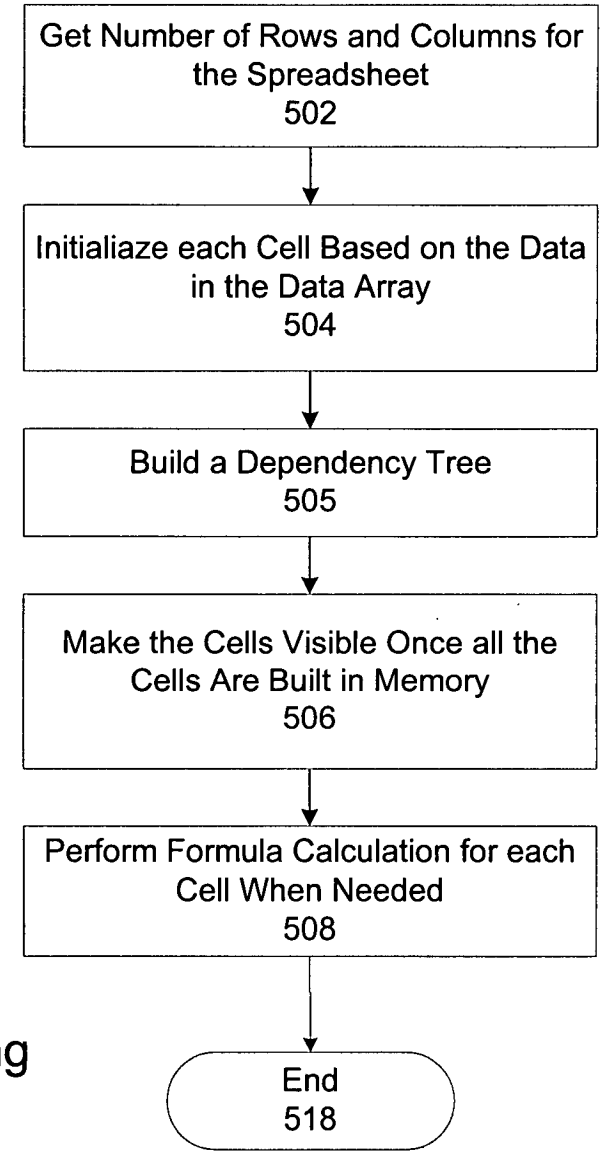
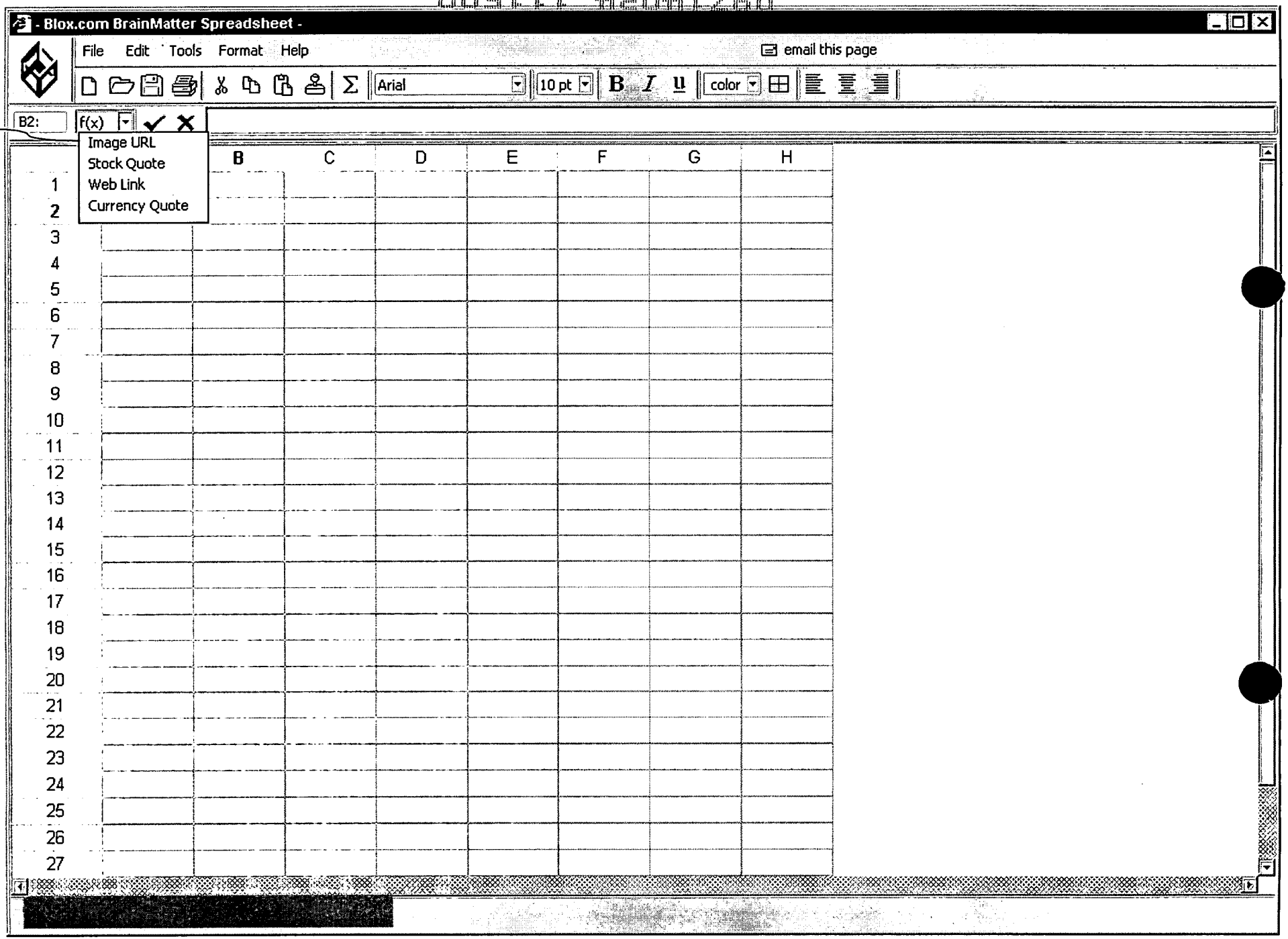


Fig. 5
Browser, Displaying Spreadsheet


- Blox.com BrainMatter Spreadsheet -
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Web Link
Currency Quote
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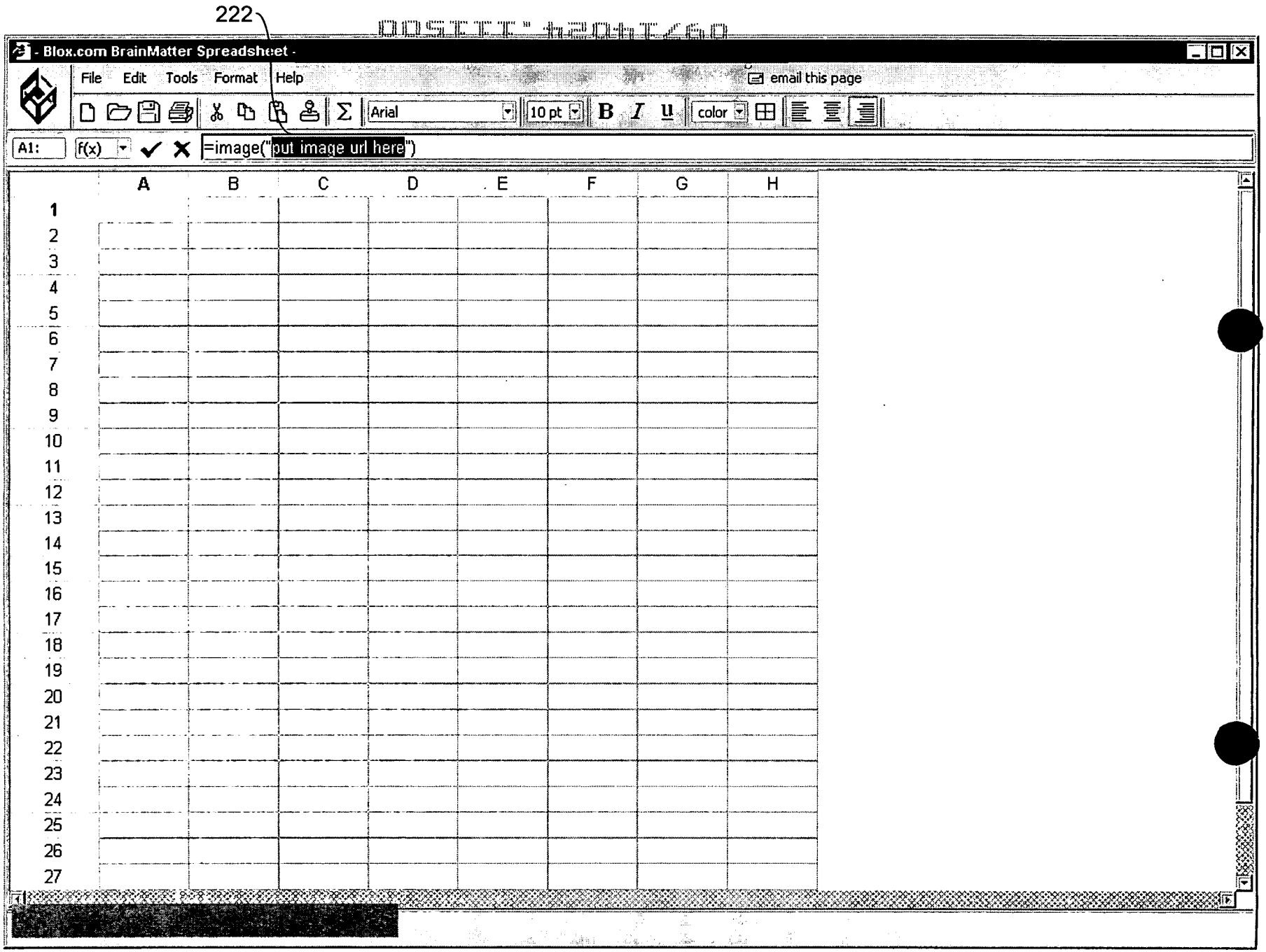
Fig. 6


222
- Blox.com BrainMatter Spreadsheet -
File Edit Tools Format Help
email this page
Arial
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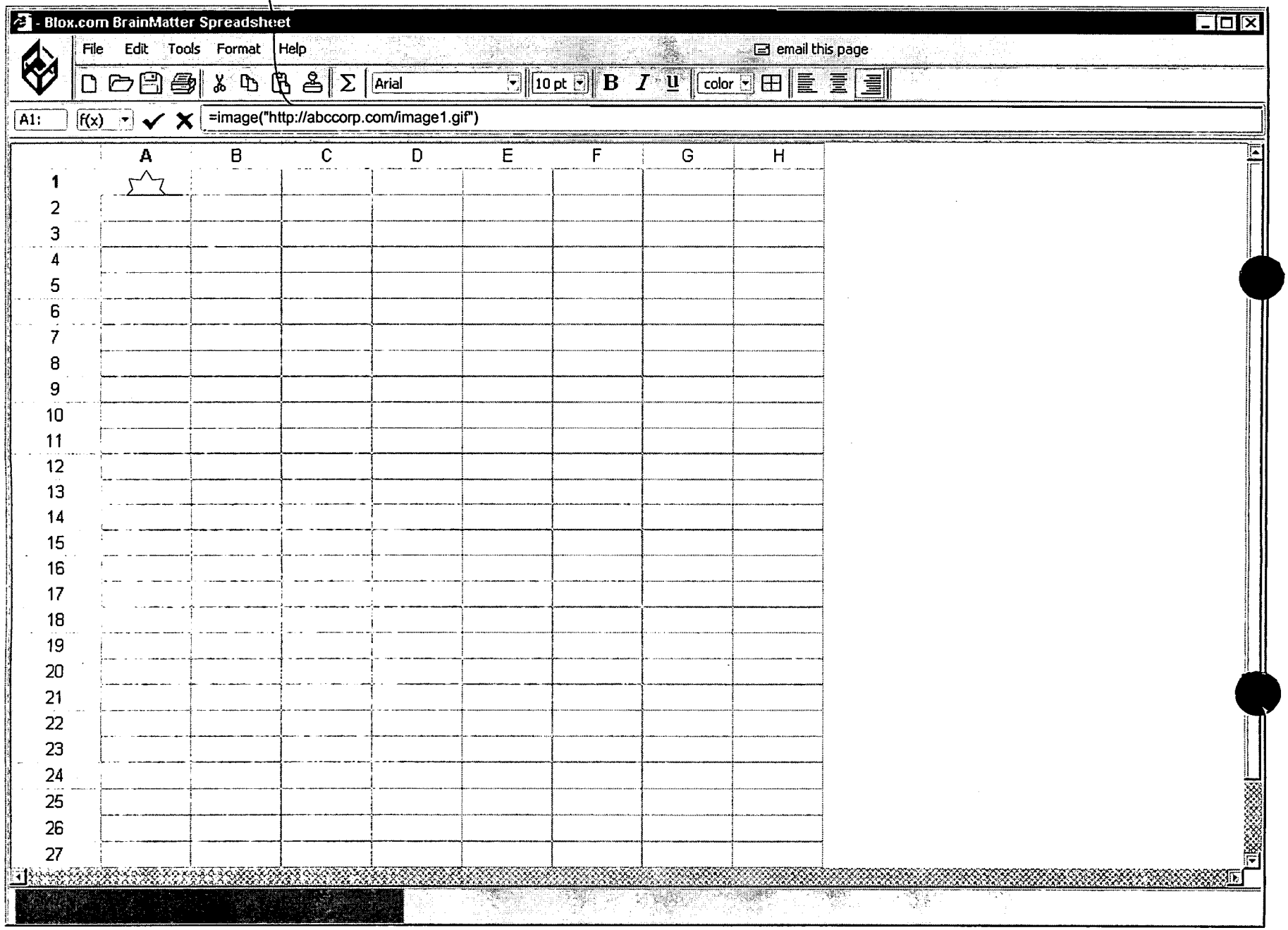
A1:
f(x)
=image("put image url here")
A B C D E F G H
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

Fig. 7(a)


222
- Blox.com BrainMatter Spreadsheet
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A1:
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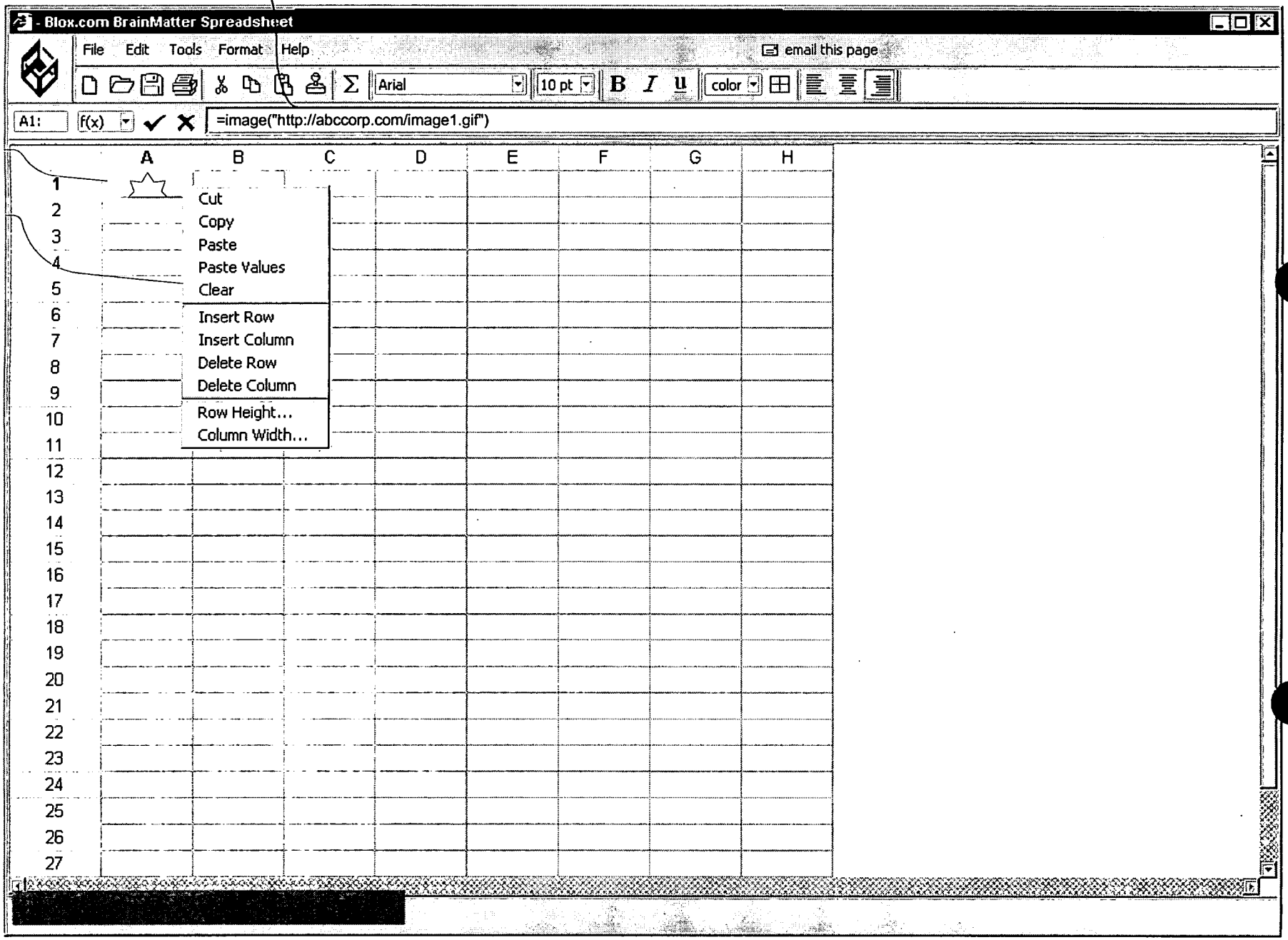
Fig. 7(b)


222
- Blox.com BrainMatter Spreadsheet
File Edit Tools Format Help
email this page
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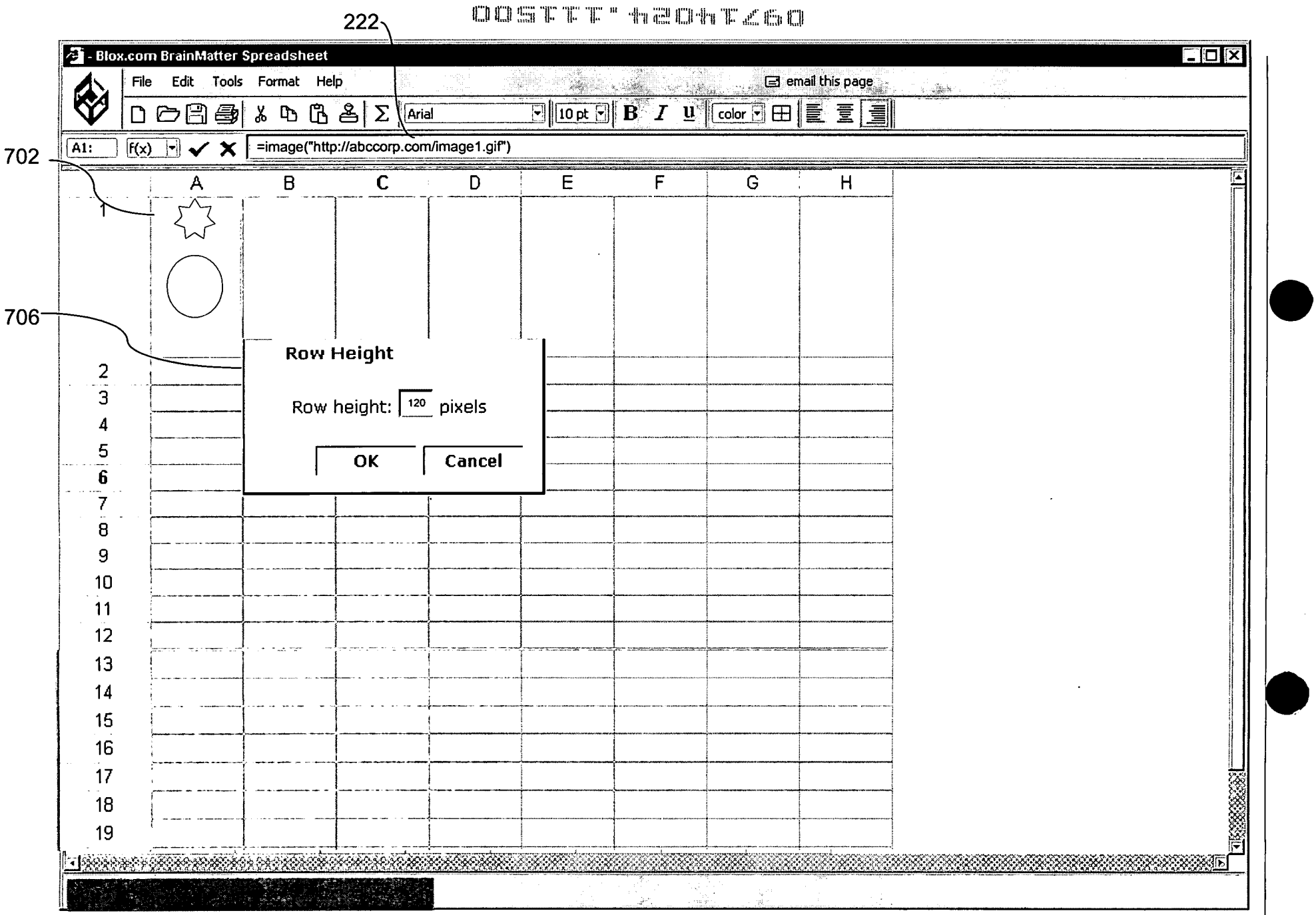
A1:
f(x)
=image("http://abccorp.com/image1.gif")
702
704
A B C D E F G H
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
Cut
Copy
Paste
Paste Values
Clear
Insert Row
Insert Column
Delete Row
Delete Column
Row Height...
Column Width...

Fig. 7(c)


222
- Blox.com BrainMatter Spreadsheet
File Edit Tools Format Help
email this page
Arial
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f(x)
=image("http://abccorp.com/image1.gif")
702
706
A B C D E F G H
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
Row Height
Row height: 120 pixels
OK
Cancel

Fig. 7(d)

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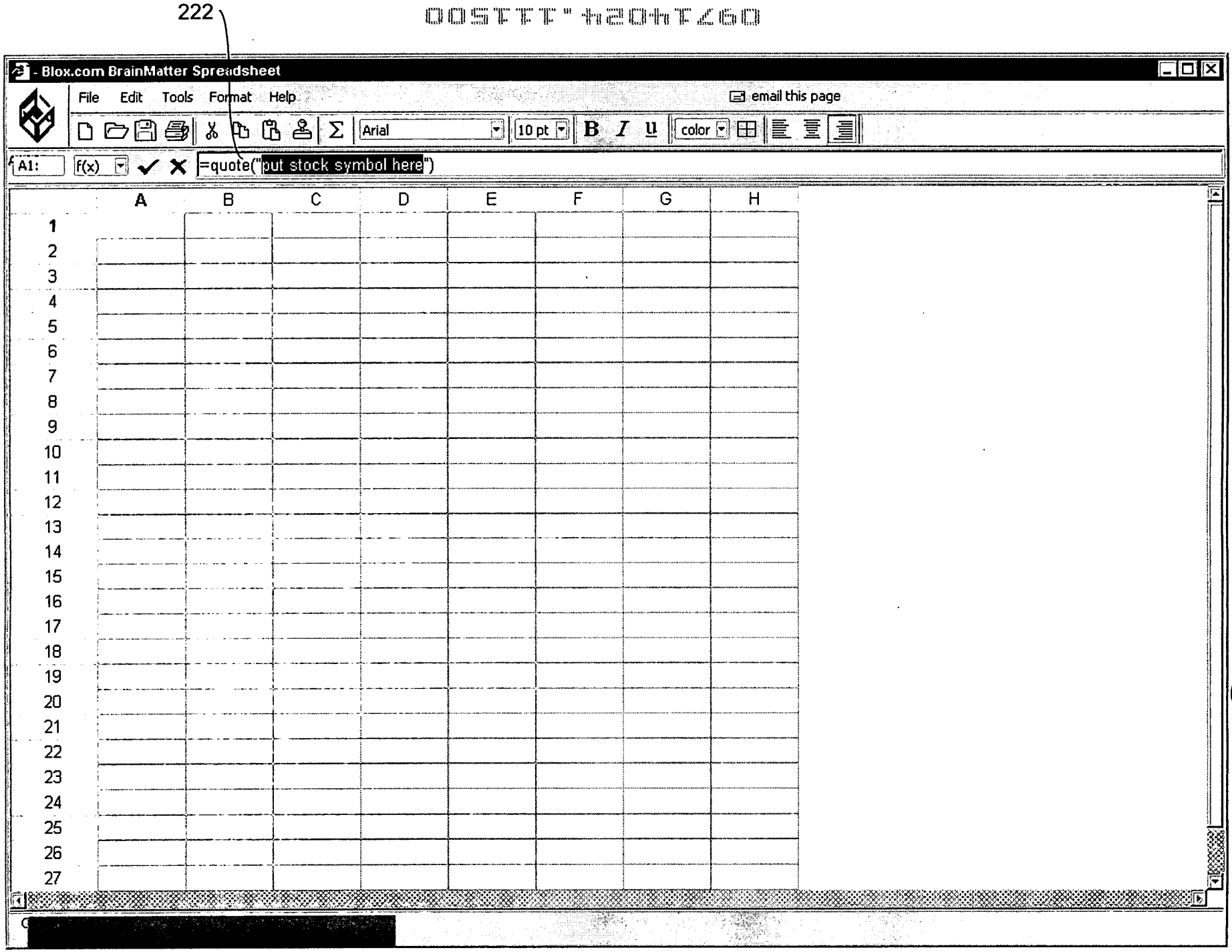


Fig. 8(a)

00STTT"h20hT260

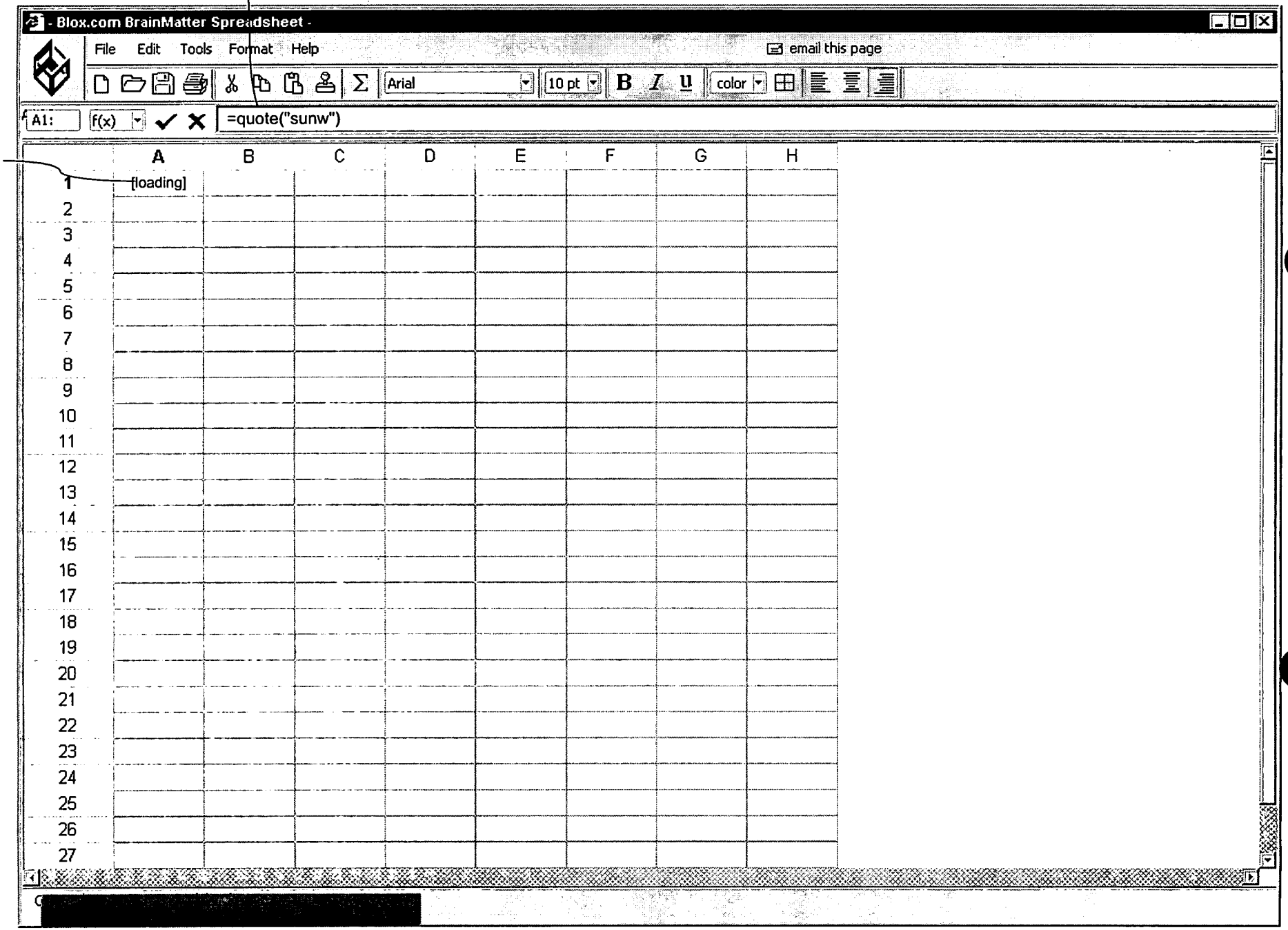
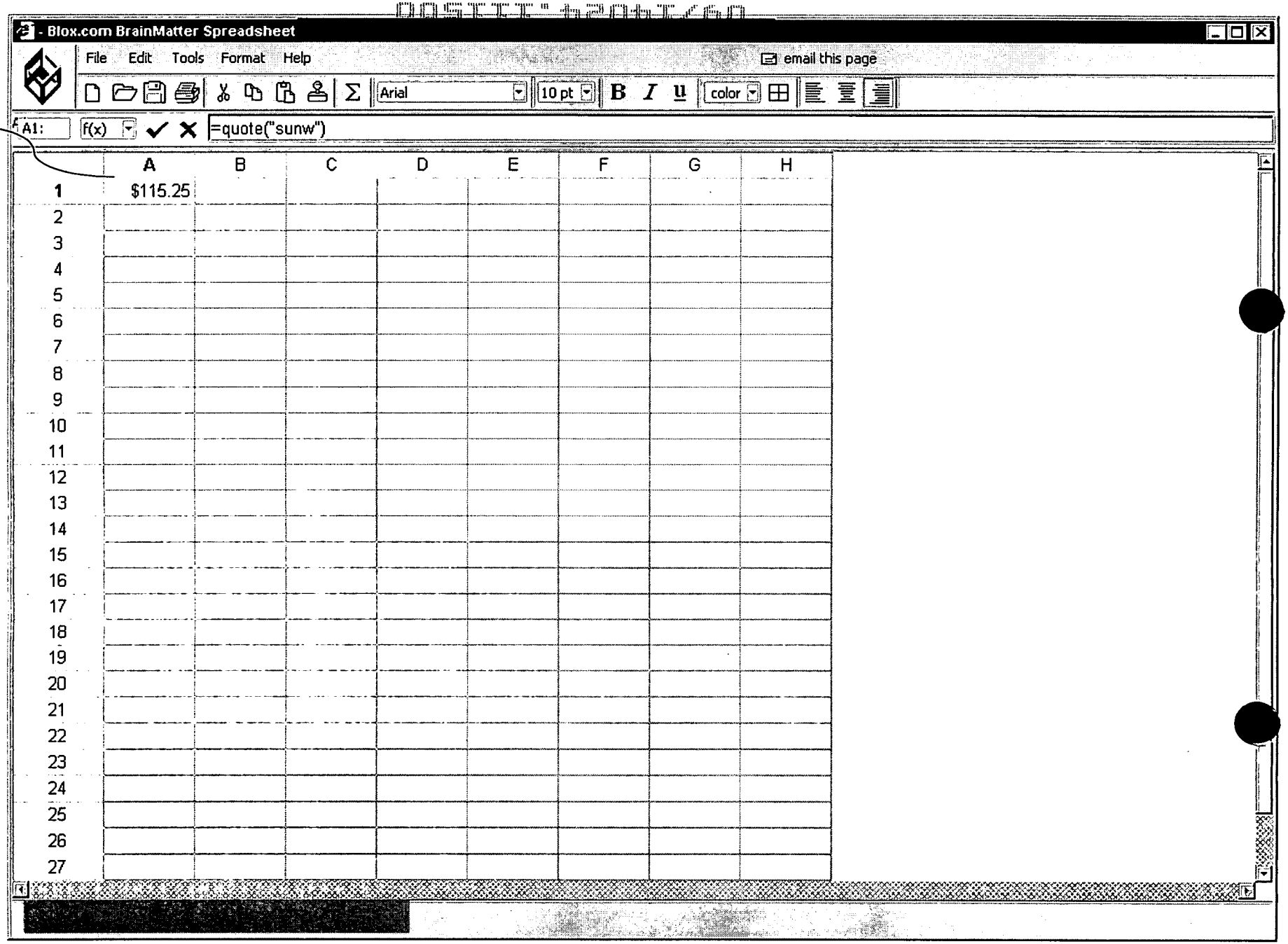


Fig. 8(b)


- Blox.com BrainMatter Spreadsheet
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A1:
f(x)
=quote("sunw")
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Fig. 8(c)

005TTT"h20hT260

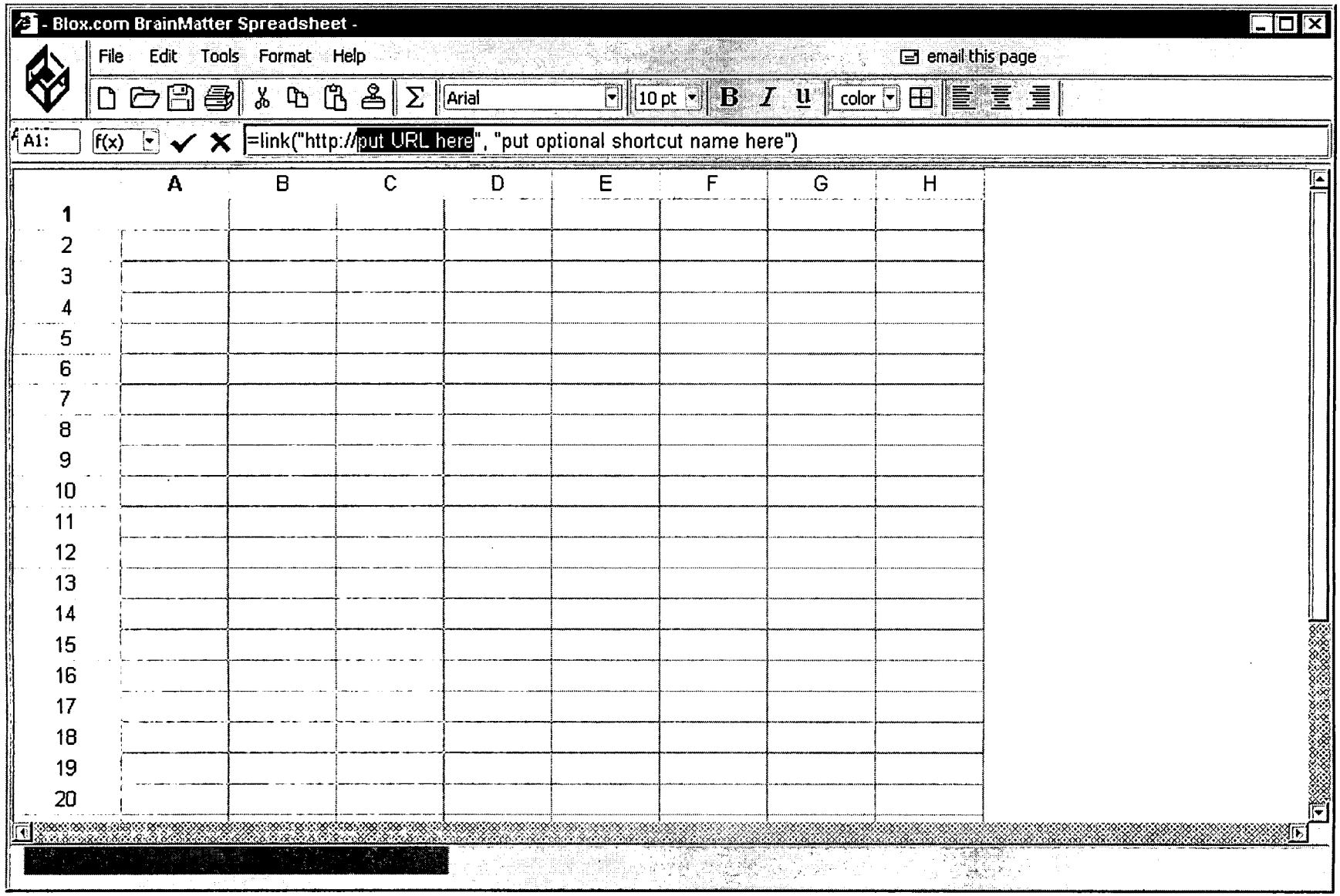
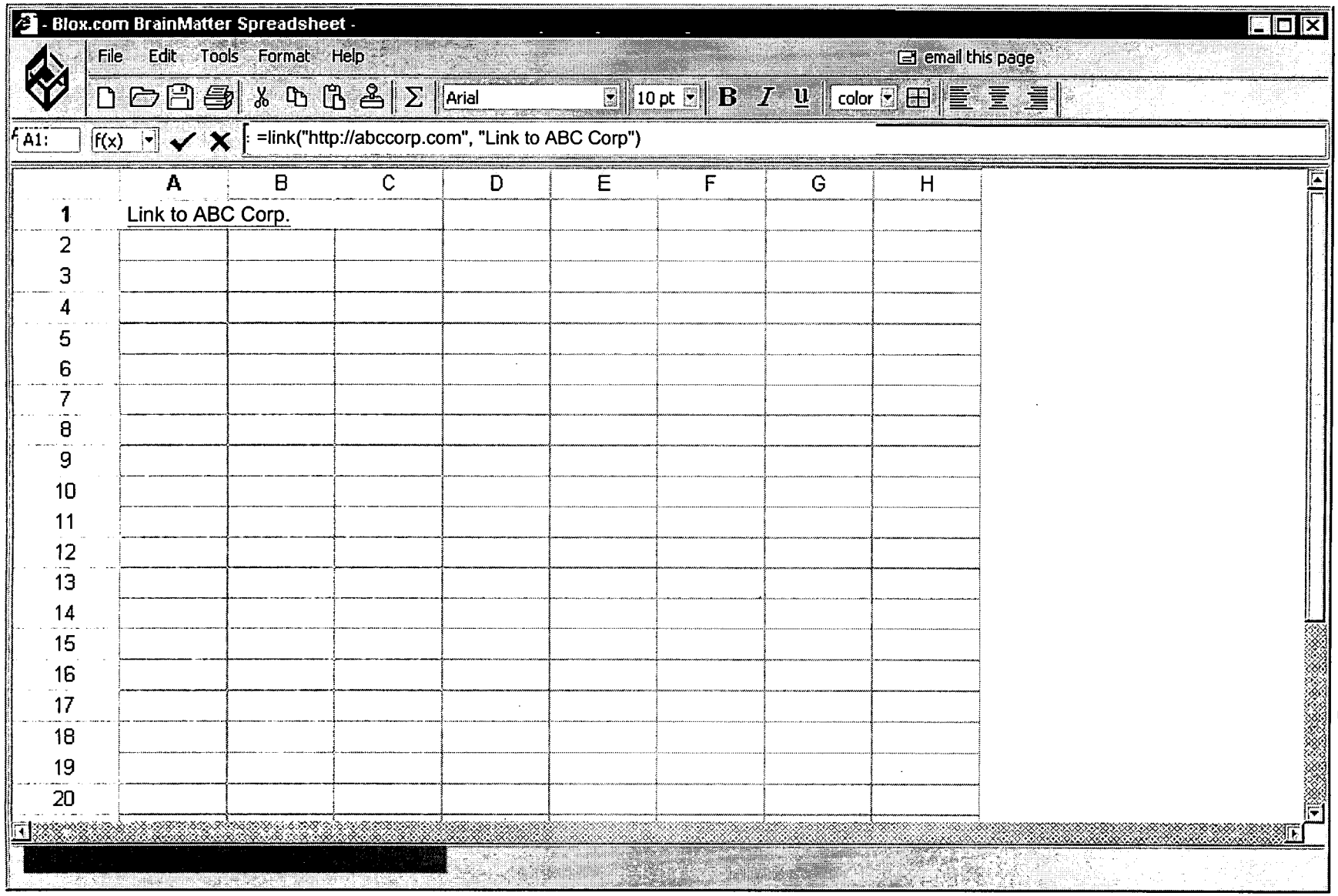


Fig. 9(a)


- Blox.com BrainMatter Spreadsheet -
File Edit Tools Format Help
email this page
Arial
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color
A1:
f(x)
=link("http://abccorp.com", "Link to ABC Corp")
A B C D E F G H
1 Link to ABC Corp.
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Fig. 9(b)

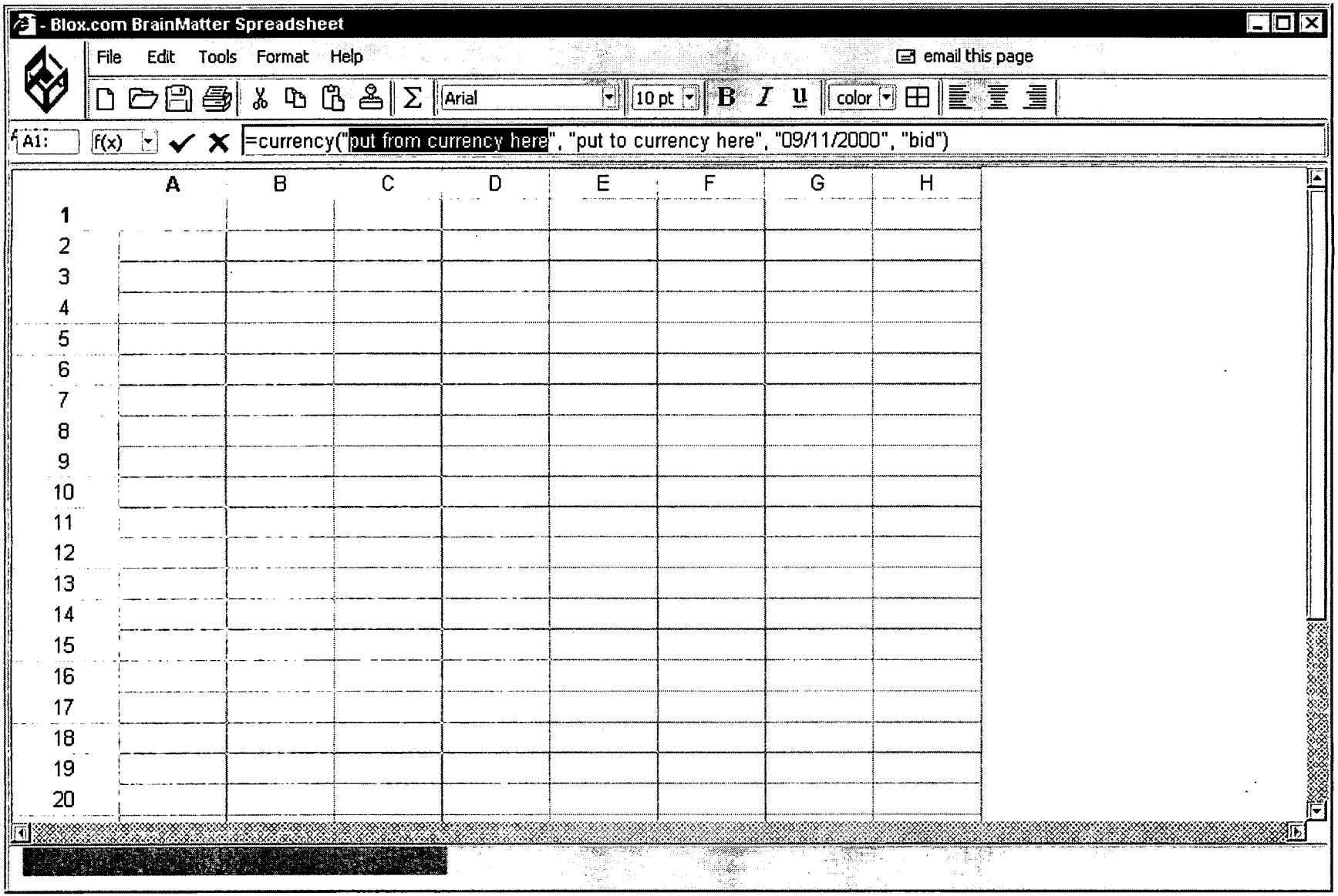
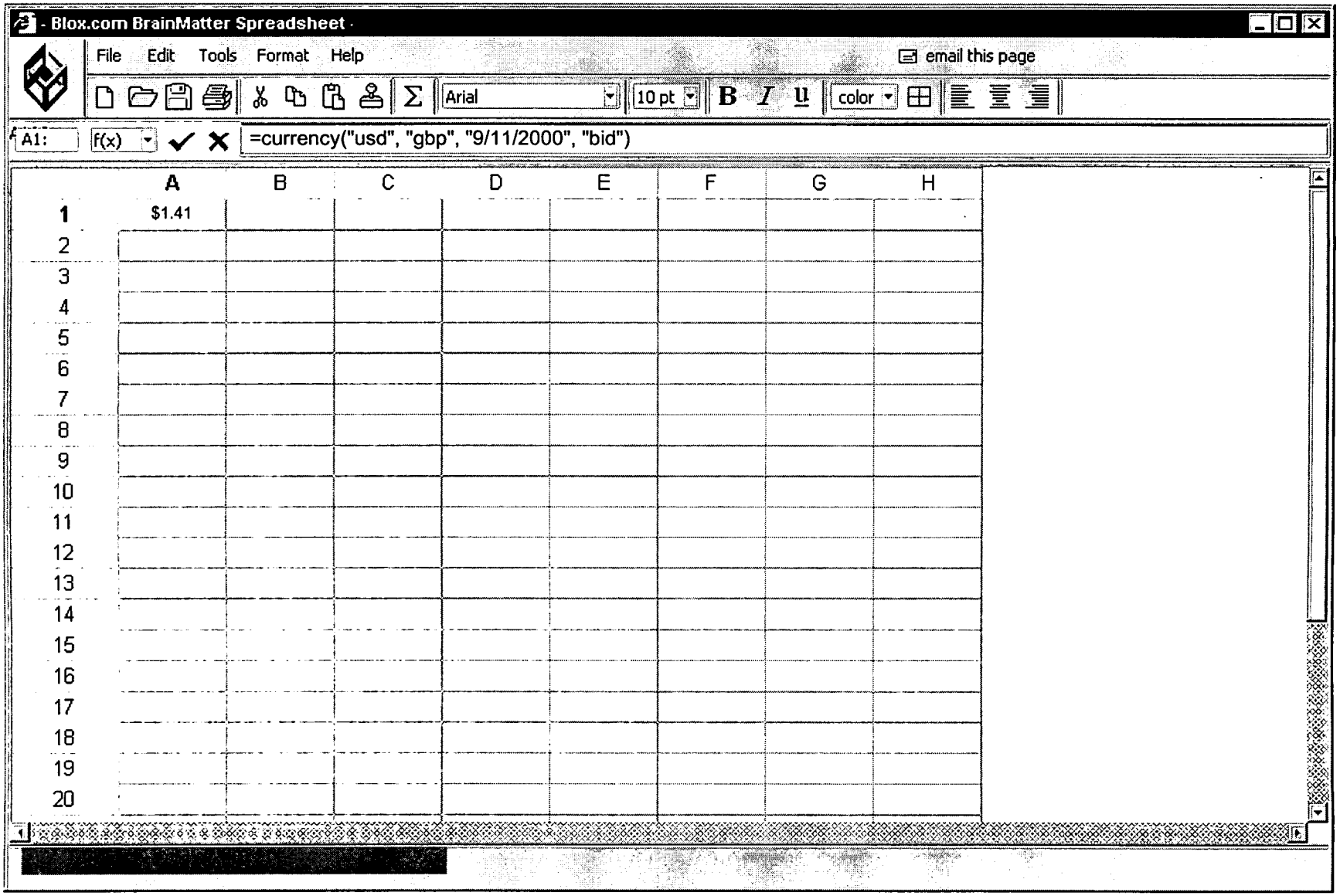

- Blox.com BrainMatter Spreadsheet
File Edit Tools Format Help
email this page
Arial
10 pt
color
A1:
f(x)
=currency("put from currency here", "put to currency here", "09/11/2000", "bid")
A B C D E F G H
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Fig. 10(a)


- Blox.com BrainMatter Spreadsheet -
File Edit Tools Format Help
email this page
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A1:
f(x)
=currency("usd", "gbp", "9/11/2000", "bid")
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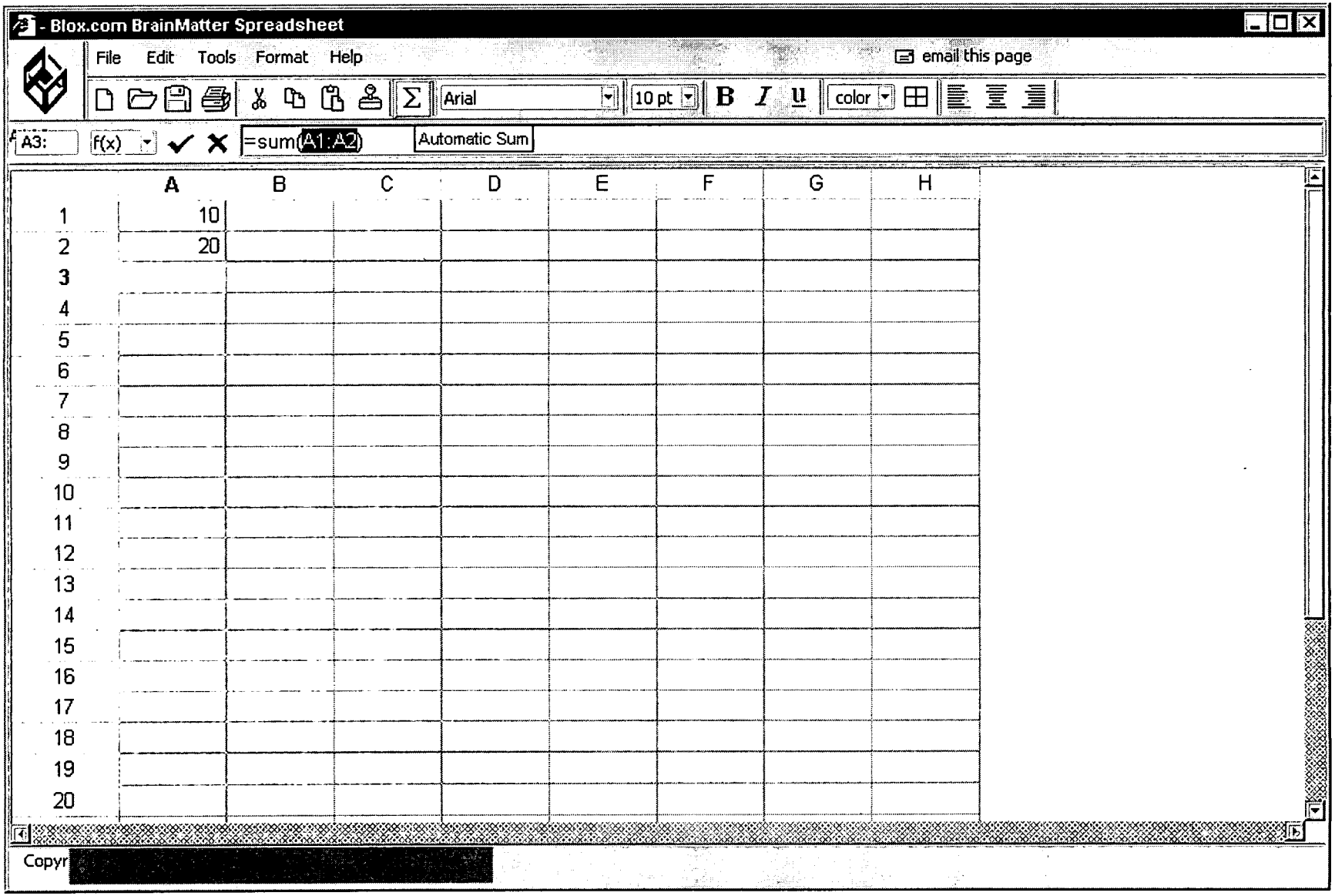
Fig. 10(b)


- Blox.com BrainMatter Spreadsheet
File Edit Tools Format Help
email this page
Arial
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A3:
f(x)
=sum(A1:A2)
Automatic Sum
A B C D E F G H
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2 20
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Copyr

Fig. 11

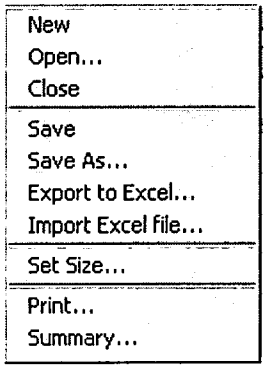

Fig. 12(a)

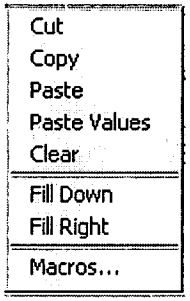

Fig. 12(b)

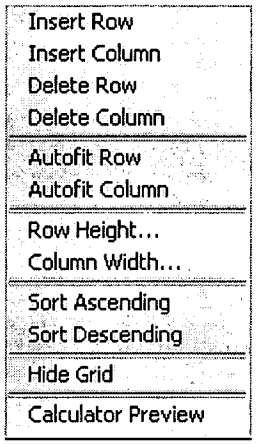

Fig. 12(c)

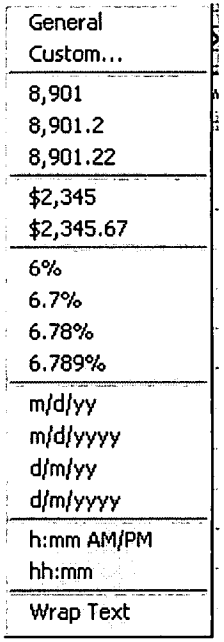

Fig. 12(d)

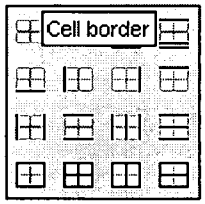

Fig. 12(e)

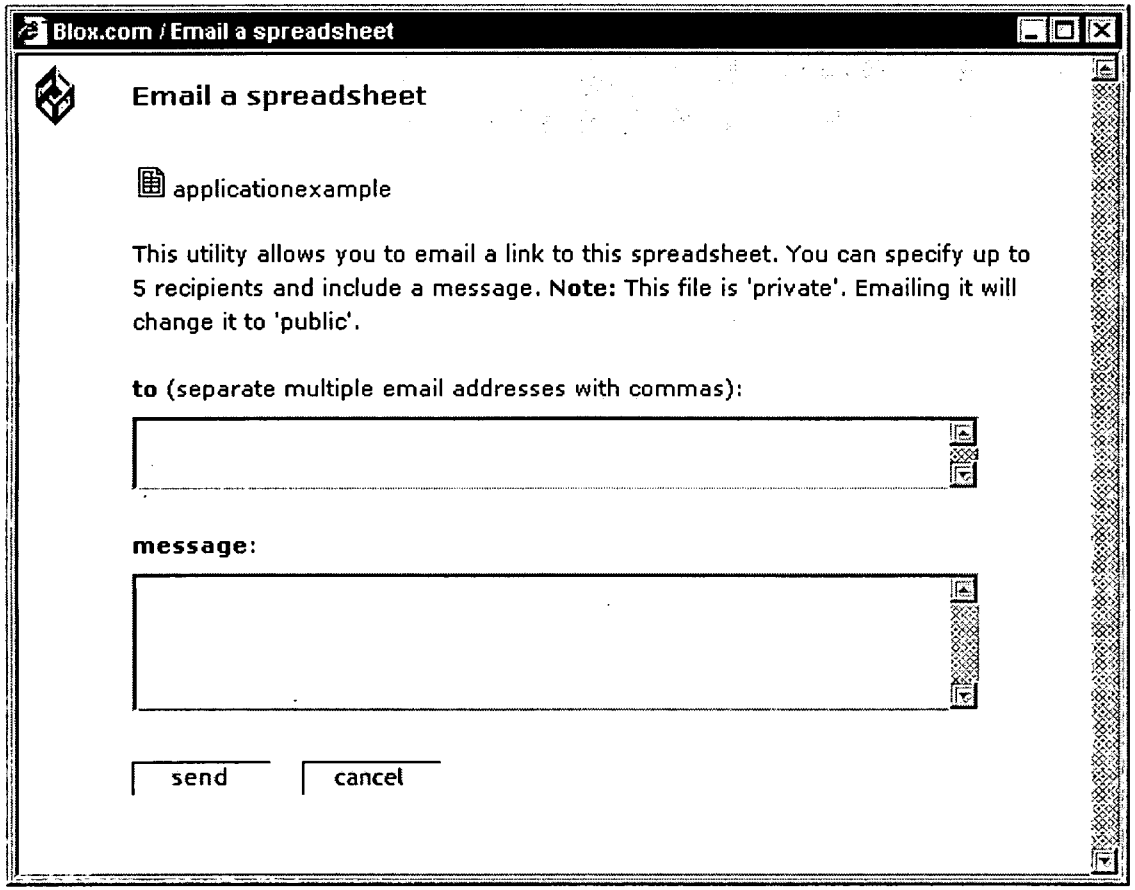
Blox.com / Email a spreadsheet
Email a spreadsheet
applicationexample
This utility allows you to email a link to this spreadsheet. You can specify up to 5 recipients and include a message. Note: This file is 'private'. Emailing it will change it to 'public'.
to (separate multiple email addresses with commas):
message:
send
cancel

Fig. 13(a)

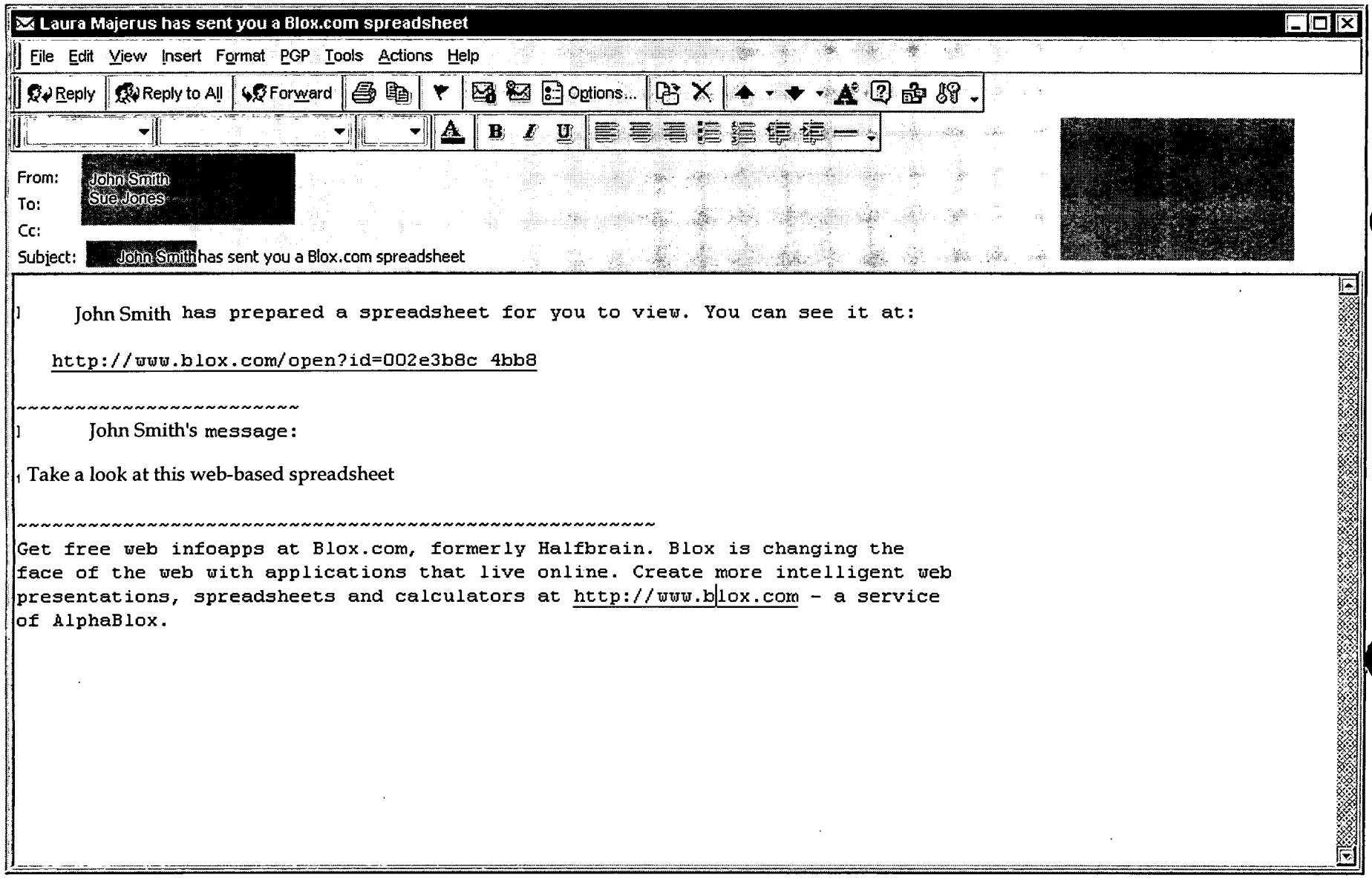
Laura Majerus has sent you a Blox.com spreadsheet
File Edit View Insert Format PGP Tools Actions Help
Reply
Reply to All
Forward
Options...
From: John Smith
To: Sue Jones
Cc:
Subject: John Smith has sent you a Blox.com spreadsheet
John Smith has prepared a spreadsheet for you to view. You can see it at:
http://www.blox.com/open?id=002e3b8c_4bb8
John Smith's message:
Take a look at this web-based spreadsheet
Get free web infoapps at Blox.com, formerly Halfbrain. Blox is changing the face of the web with applications that live online. Create more intelligent web presentations, spreadsheets and calculators at http://www.blox.com - a service of AlphaBlox.

Fig. 13(b)

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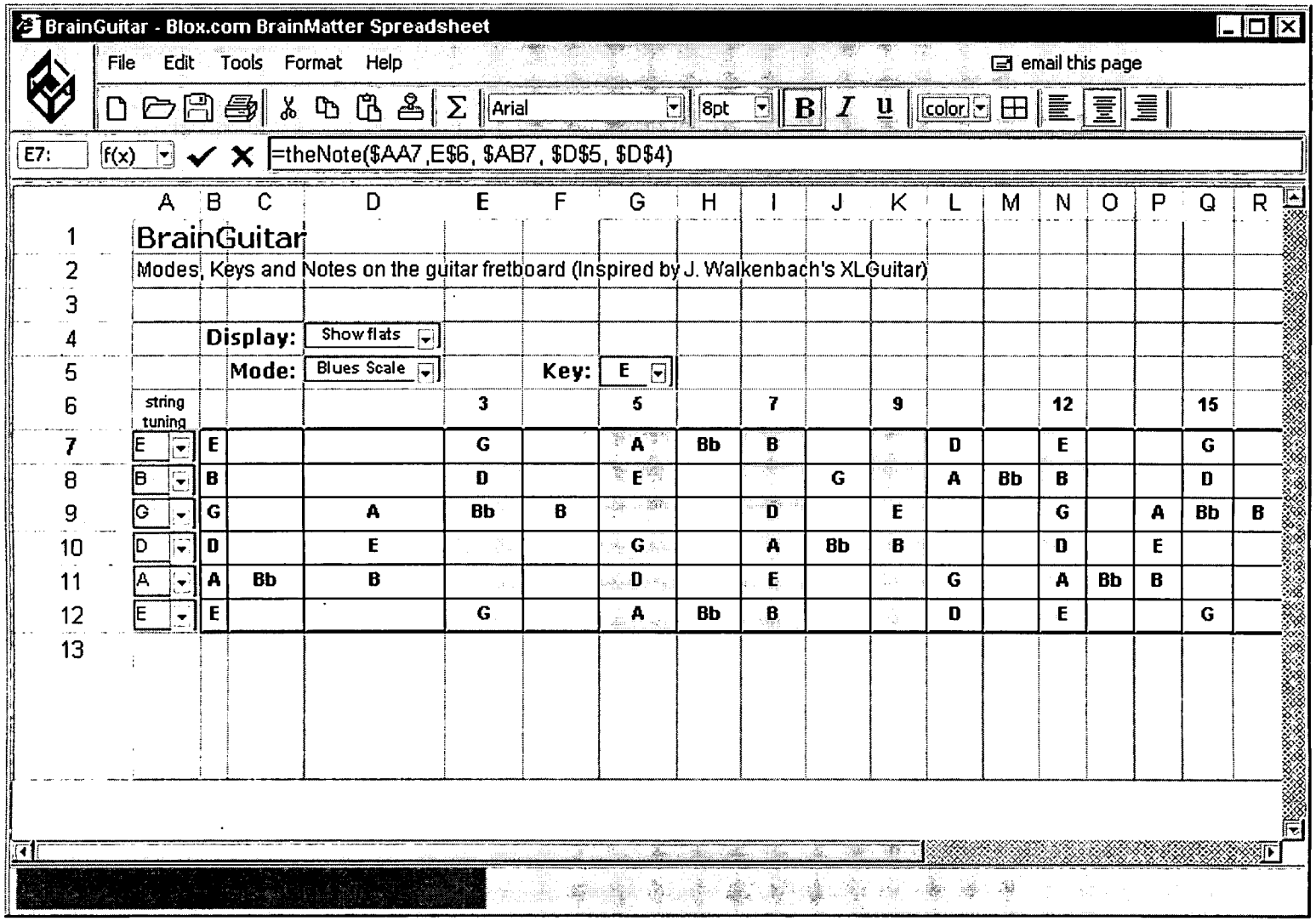
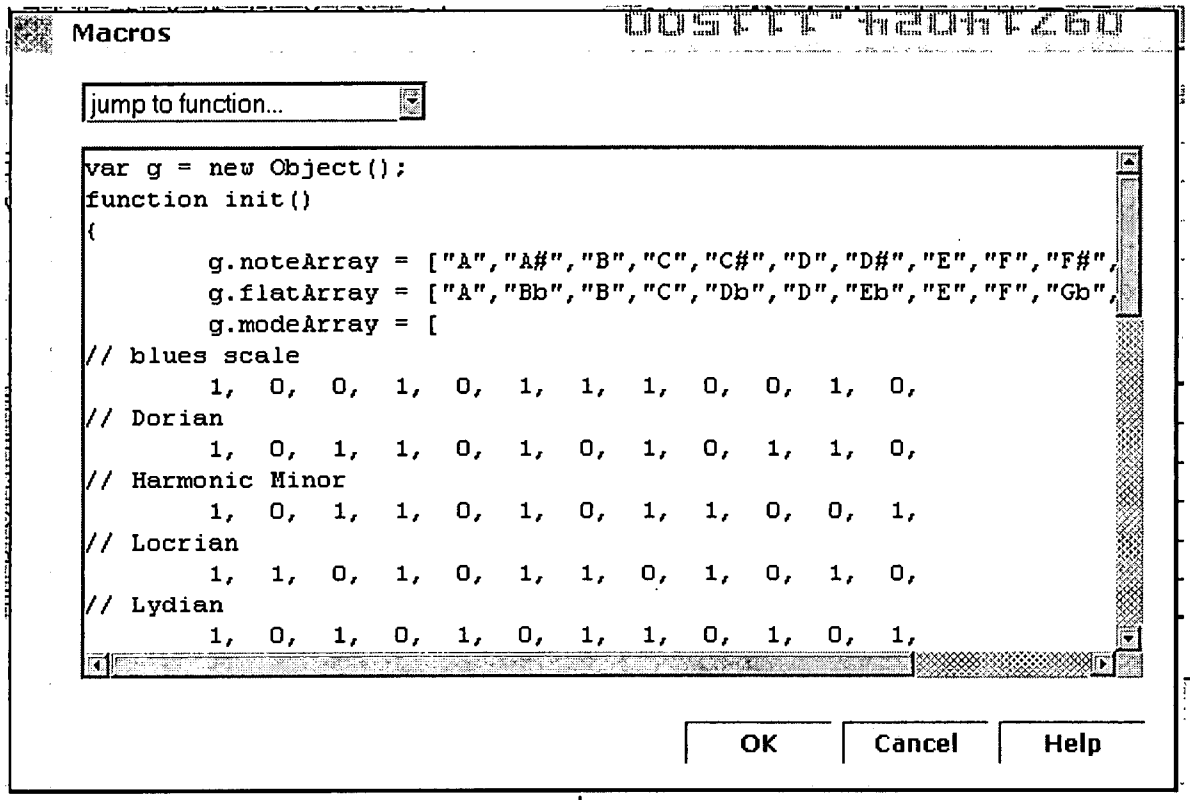


Fig. 14(a)


Macros
jump to function...
var g = new Object();
function init()
{
g.noteArray = ["A","A#","B","C","C#","D","D#","E","F","F#",
g.flatArray = ["A","Bb","B","C","Db","D","Eb","E","F","Gb",
g.modeArray = [
// blues scale
1, 0, 0, 1, 0, 1, 1, 1, 0, 0, 1, 0,
// Dorian
1, 0, 1, 1, 0, 1, 0, 1, 0, 1, 1, 0,
// Harmonic Minor
1, 0, 1, 1, 0, 1, 0, 1, 1, 0, 0, 1,
// Locrian
1, 1, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0,
// Lydian
1, 0, 1, 0, 1, 0, 1, 1, 0, 1, 0, 1,
OK
Cancel
Help

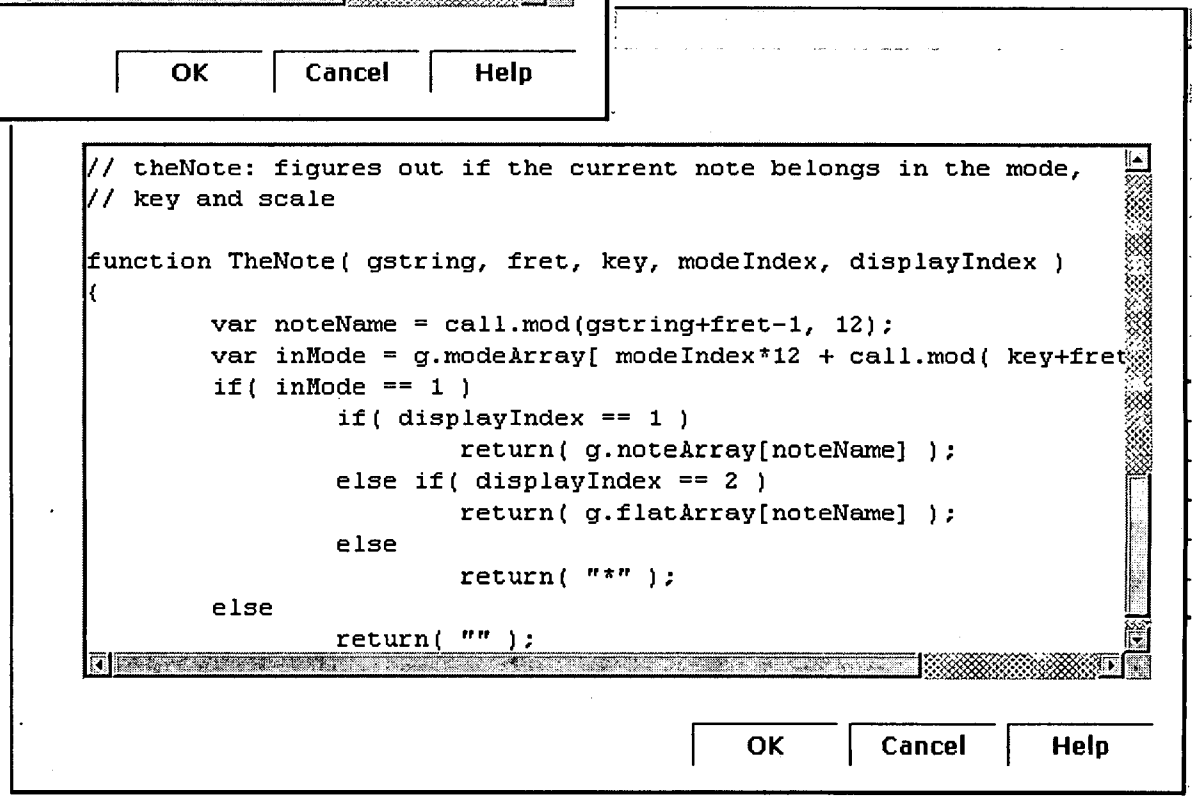

// theNote: figures out if the current note belongs in the mode,
// key and scale
function TheNote(gstring, fret, key, modeIndex, displayIndex)
{
var noteName = call.mod(gstring+fret-1, 12);
var inMode = g.modeArray[modeIndex*12 + call.mod(key+fret
if(inMode == 1)
if(displayIndex == 1)
return(g.noteArray[noteName]);
else if(displayIndex == 2)
return(g.flatArray[noteName]);
else
return("*");
else
return("");
OK
Cancel
Help

Fig. 14(b)

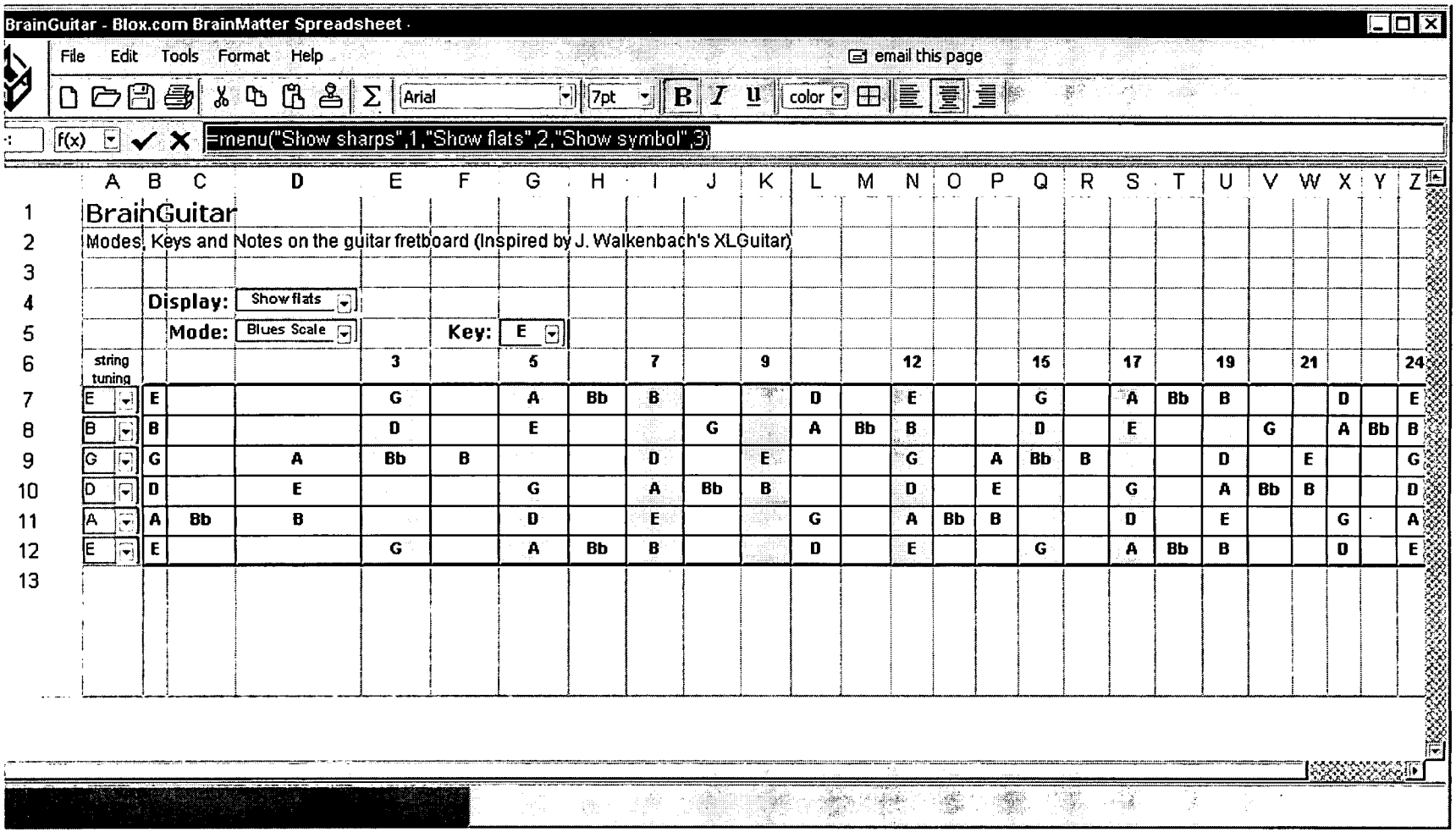

BrainGuitar - Blox.com BrainMatter Spreadsheet
File Edit Tools Format Help
email this page
Arial 7pt color
=menu("Show sharps",1,"Show flats",2,"Show symbol",3)
BrainGuitar
Modes, Keys and Notes on the guitar fretboard (Inspired by J. Walkenbach's XLGuitar)
Display: Show flats
Mode: Blues Scale
Key: E
string tuning
3 5 7 9 12 15 17 19 21 24
E B G D A E
E G A Bb B D E G A Bb B D E
B D E G A Bb B D E G A Bb B
G A Bb B D E G A B D E G
D E G A Bb B D E G A Bb B D
A Bb B D E G A Bb B D E G A
E G A Bb B D E G A Bb B D E

Fig. 14(c)

005TTF"h20hT260

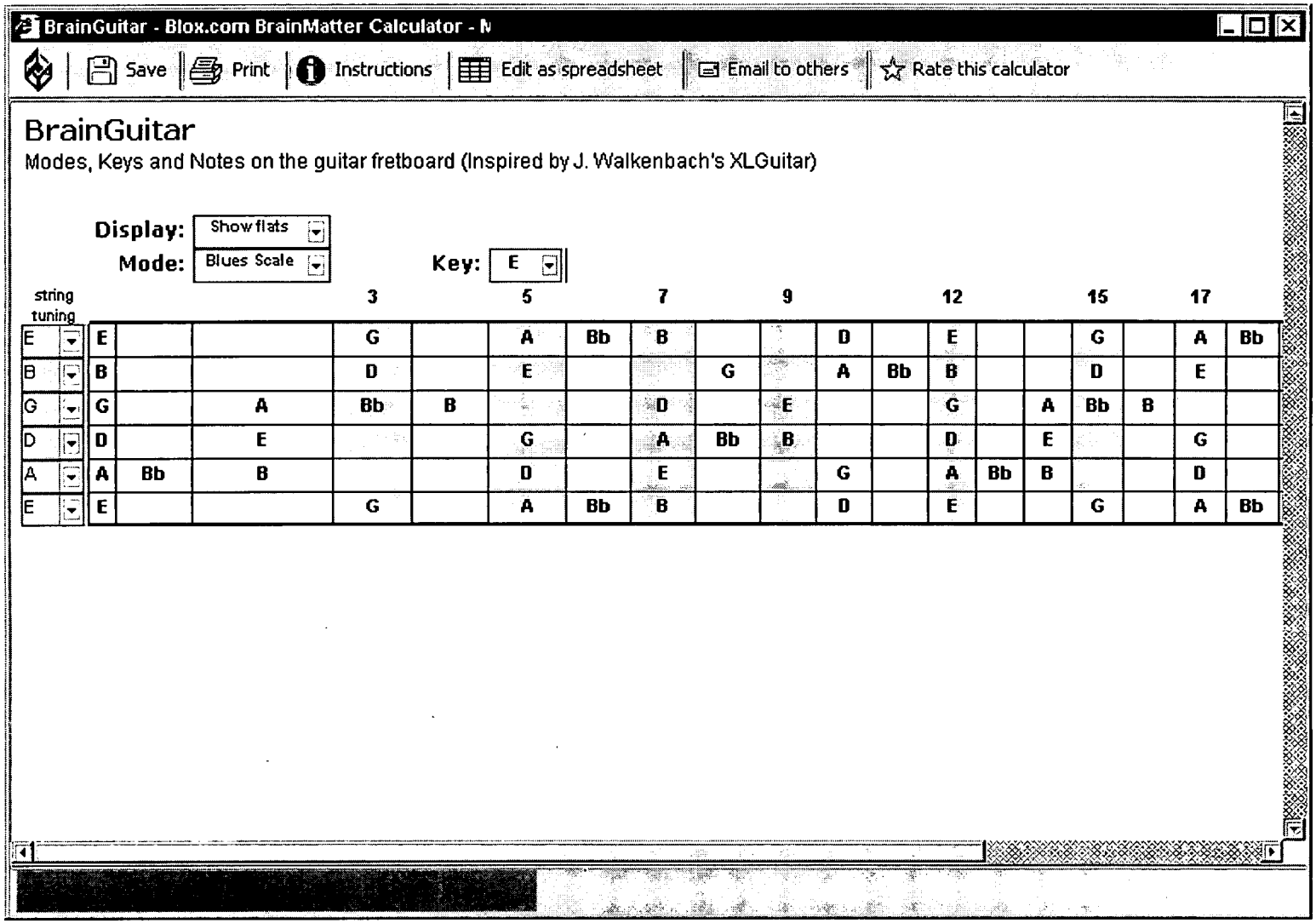


Fig. 14(d)

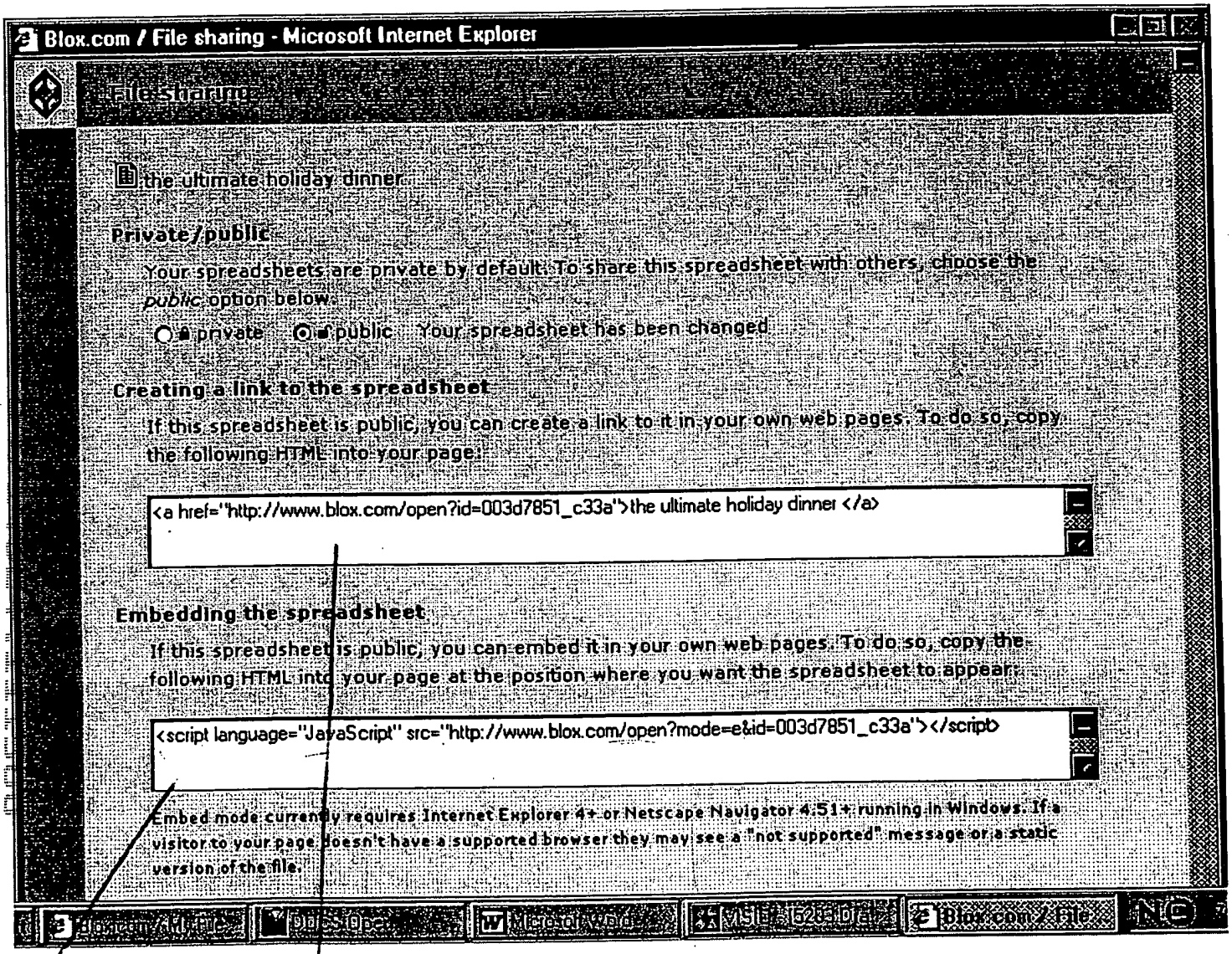

Blox.com / File sharing - Microsoft Internet Explorer
File sharing
the ultimate holiday dinner
Private/public
Your spreadsheets are private by default. To share this spreadsheet with others, choose the public option below.
private
public
Your spreadsheet has been changed
Creating a link to the spreadsheet
If this spreadsheet is public, you can create a link to it in your own web pages. To do so, copy the following HTML into your page:
the ultimate holiday dinner
Embedding the spreadsheet
If this spreadsheet is public, you can embed it in your own web pages. To do so, copy the following HTML into your page at the position where you want the spreadsheet to appear:
<script language="JavaScript" src="http://www.blox.com/open?mode=e&id=003d7851_c33a"></script>
Embed mode currently requires Internet Explorer 4+ or Netscape Navigator 4.51+ running in Windows. If a visitor to your page doesn't have a supported browser they may see a "not supported" message or a static version of the file.
1504
1502

Fig. 15

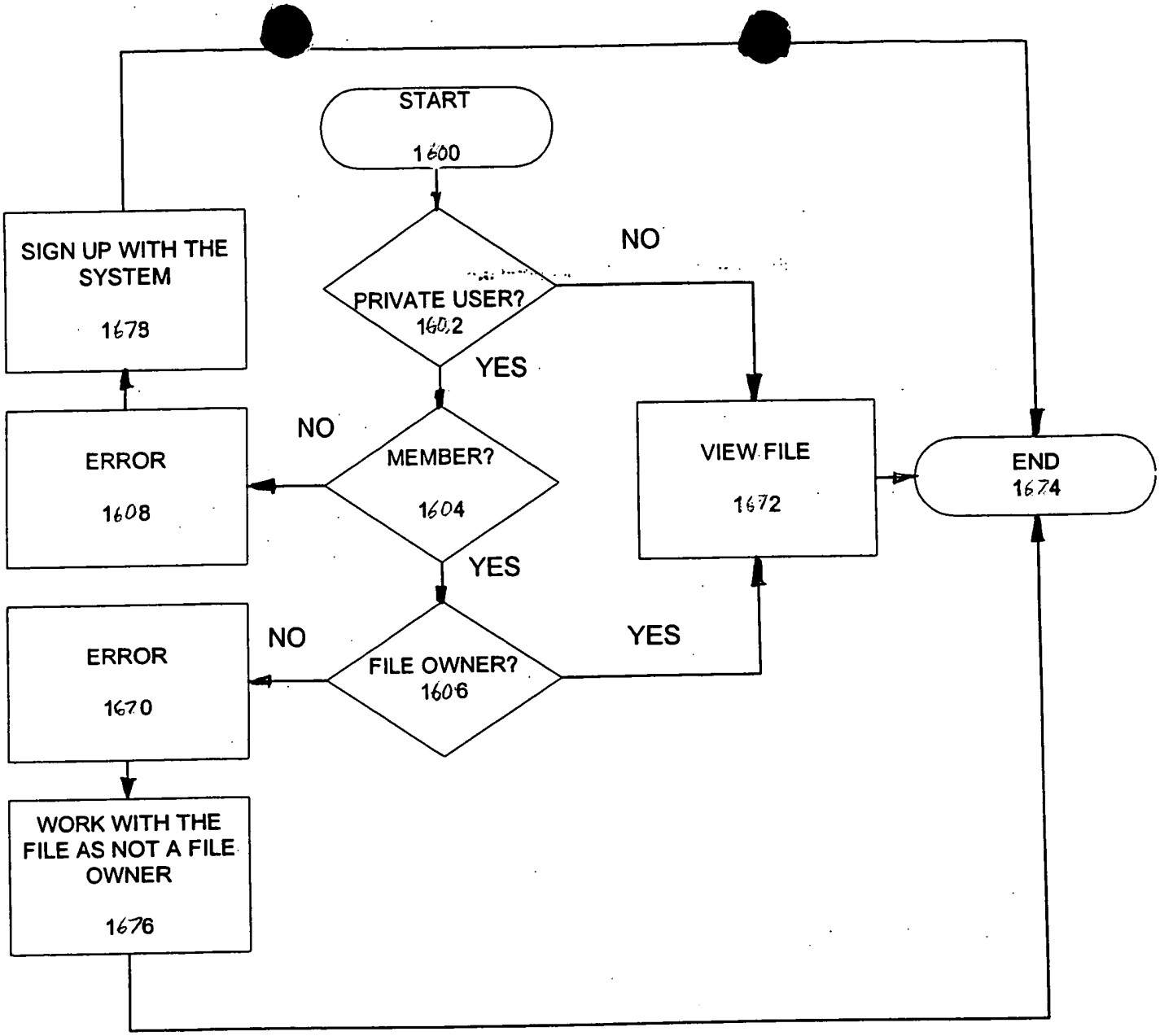

START
1600
PRIVATE USER?
1602
NO
YES
SIGN UP WITH THE SYSTEM
1678
MEMBER?
1604
NO
YES
ERROR
1608
VIEW FILE
1672
END
1674
FILE OWNER?
1606
NO
YES
ERROR
1670
WORK WITH THE FILE AS NOT A FILE OWNER
1676

FIG. 16(a)

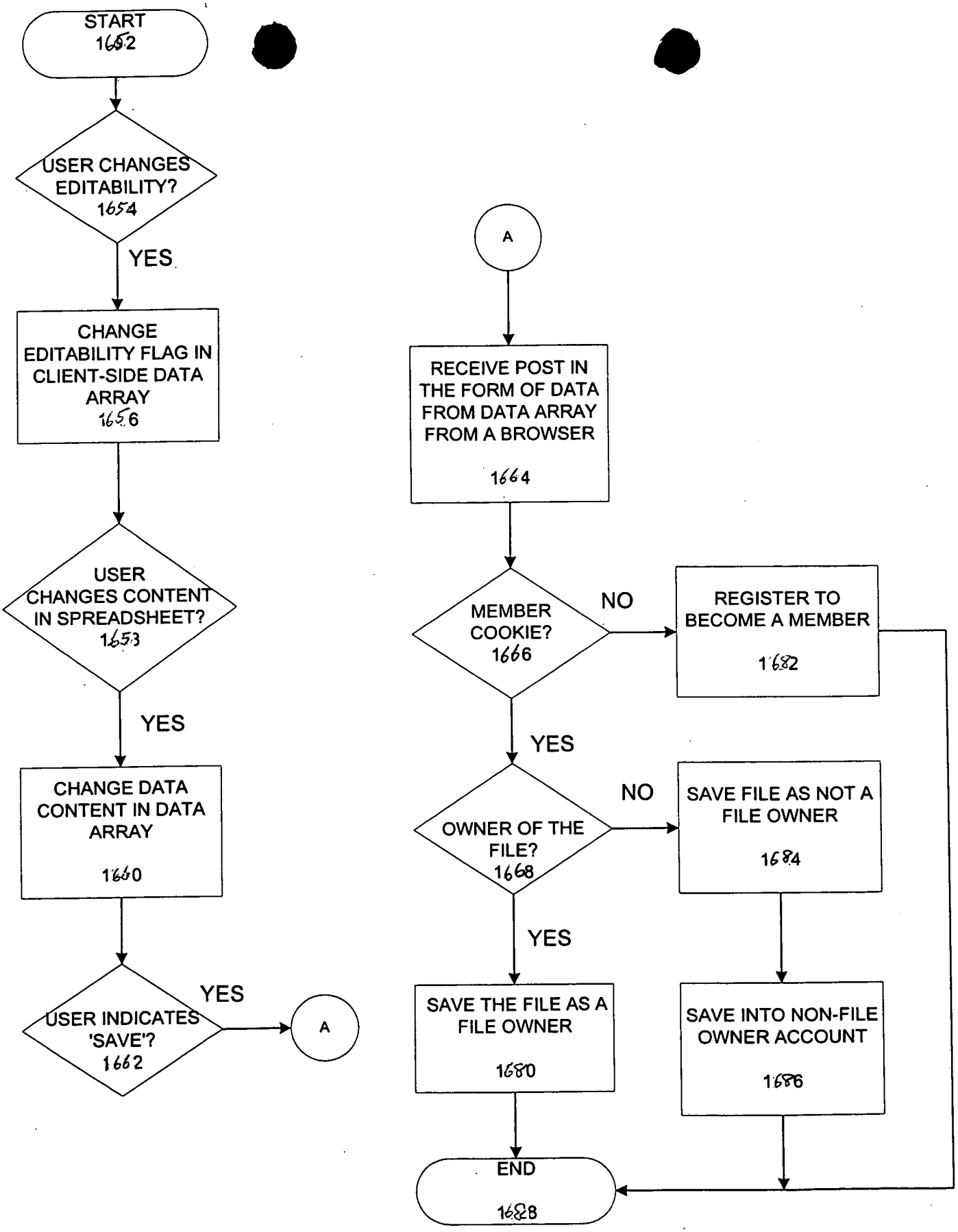

START
1652
USER CHANGES EDITABILITY?
1654
YES
CHANGE EDITABILITY FLAG IN CLIENT-SIDE DATA ARRAY
1656
USER CHANGES CONTENT IN SPREADSHEET?
1658
YES
CHANGE DATA CONTENT IN DATA ARRAY
1660
USER INDICATES 'SAVE'?
1662
YES
A
A
RECEIVE POST IN THE FORM OF DATA FROM DATA ARRAY FROM A BROWSER
1664
MEMBER COOKIE?
1666
NO
REGISTER TO BECOME A MEMBER
1682
YES
OWNER OF THE FILE?
1668
NO
SAVE FILE AS NOT A FILE OWNER
1684
YES
SAVE THE FILE AS A FILE OWNER
1680
SAVE INTO NON-FILE OWNER ACCOUNT
1686
END
1688

Fig 16(b)

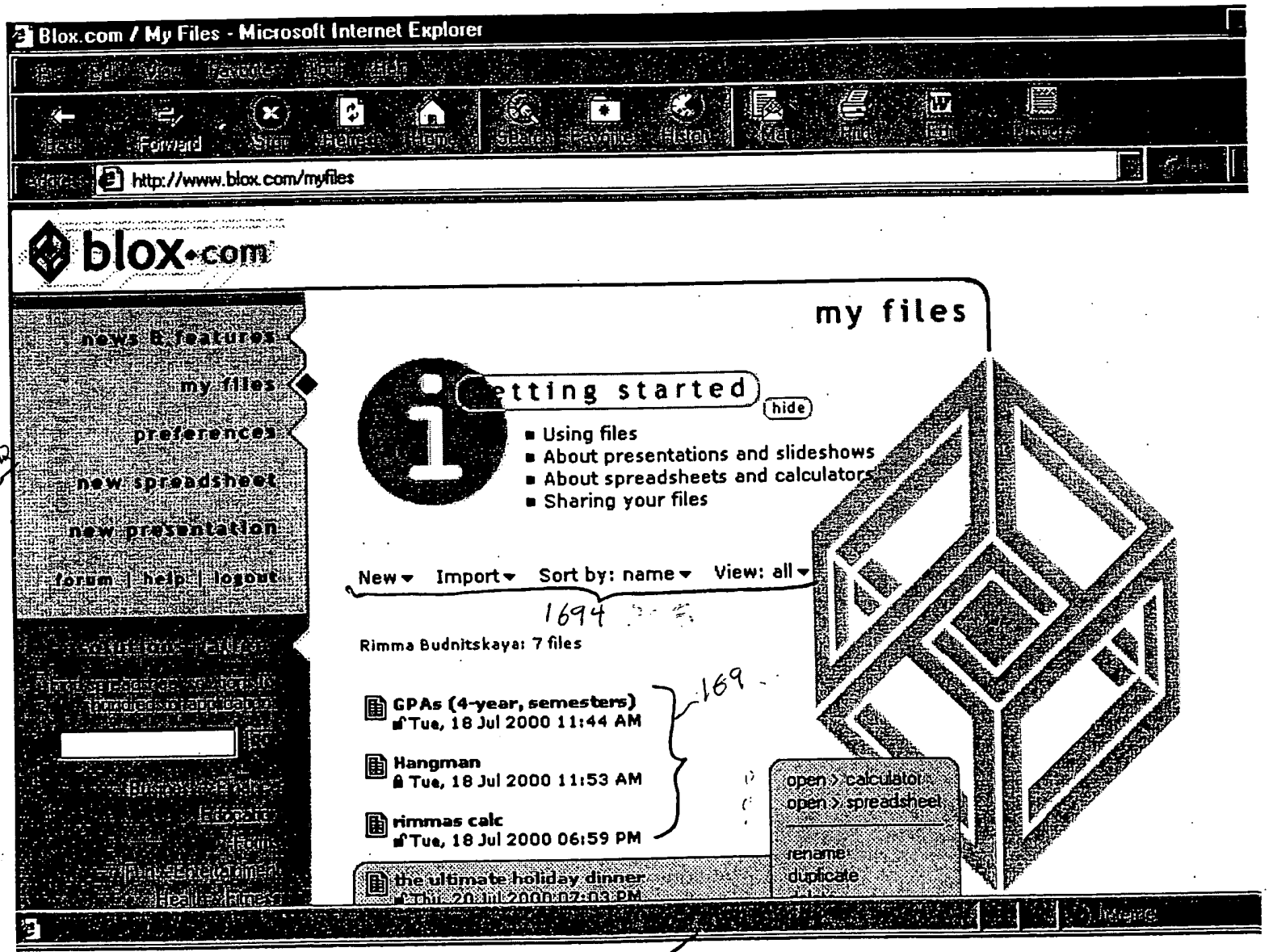
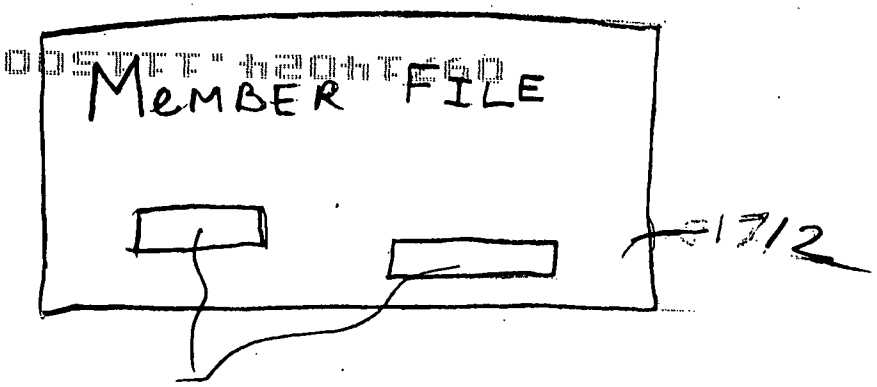

Blox.com / My Files - Microsoft Internet Explorer
http://www.blox.com/myfiles
blox.com
my files
news & features
my files
preferences
new spreadsheet
new presentation
forum | help | logout
getting started
hide
Using files
About presentations and slideshows
About spreadsheets and calculators
Sharing your files
New
Import
Sort by: name
View: all
1694
Rimma Budnitskaya: 7 files
GPAs (4-year, semesters)
Tue, 18 Jul 2000 11:44 AM
Hangman
Tue, 18 Jul 2000 11:53 AM
rimmas calc
Tue, 18 Jul 2000 06:59 PM
1691
the ultimate holiday dinner
open > calculator
open > spreadsheet
rename
duplicate
1692
1690

Fig. 16(c)

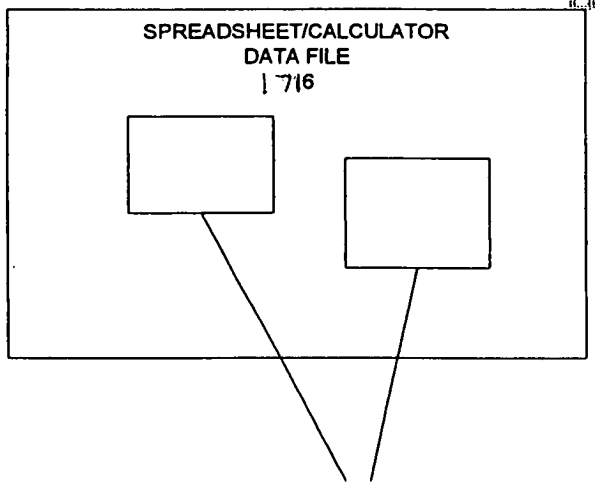


1700

MEMBER ID	password	e-mail address	data ID
Anna	0124	Anna@hotmail.com	Make the Utimate Holiday Dinner

Fig 17(a)

DOSTTT"h20hT260



1750

USER NAME	DATA ID	INFORMATION ABOUT EACH CELL
ANNA	HOW MANY TOTAL GUESTS ARE YOU HAVING?	CELL A3: {ENTRY:'HOW MANY TOTAL GUESTS ARE YOU HAVING?',LOCKED:'FALSE',VIEWSIZE:'9PT',FORECOLOR:'NAVY',VIEWFAMILY:'VERDANA',_WRAPTEXT:'TRUE',_TEXTALIGN:'LEFT',M_ROW:3,M_COL:1,I_NR:'HOW MANY TOTAL GUESTS ARE YOU HAVING?'},
	HOW MANY VEGETARIANS?	CELL A5: {ENTRY:'HOW MANY VEGETARIANS?',LOCKED:'FALSE',VIEWSIZE:'9PT',FORECOLOR:'NAVY',VIEWFAMILY:'VERDANA',_WRAPTEXT:'TRUE',_TEXTALIGN:'LEFT',M_ROW:5,M_COL:1,I_NR:'HOW MANY VEGETARIANS?'},

....

....

FIG. 17(b)

0STTT"n20nT260

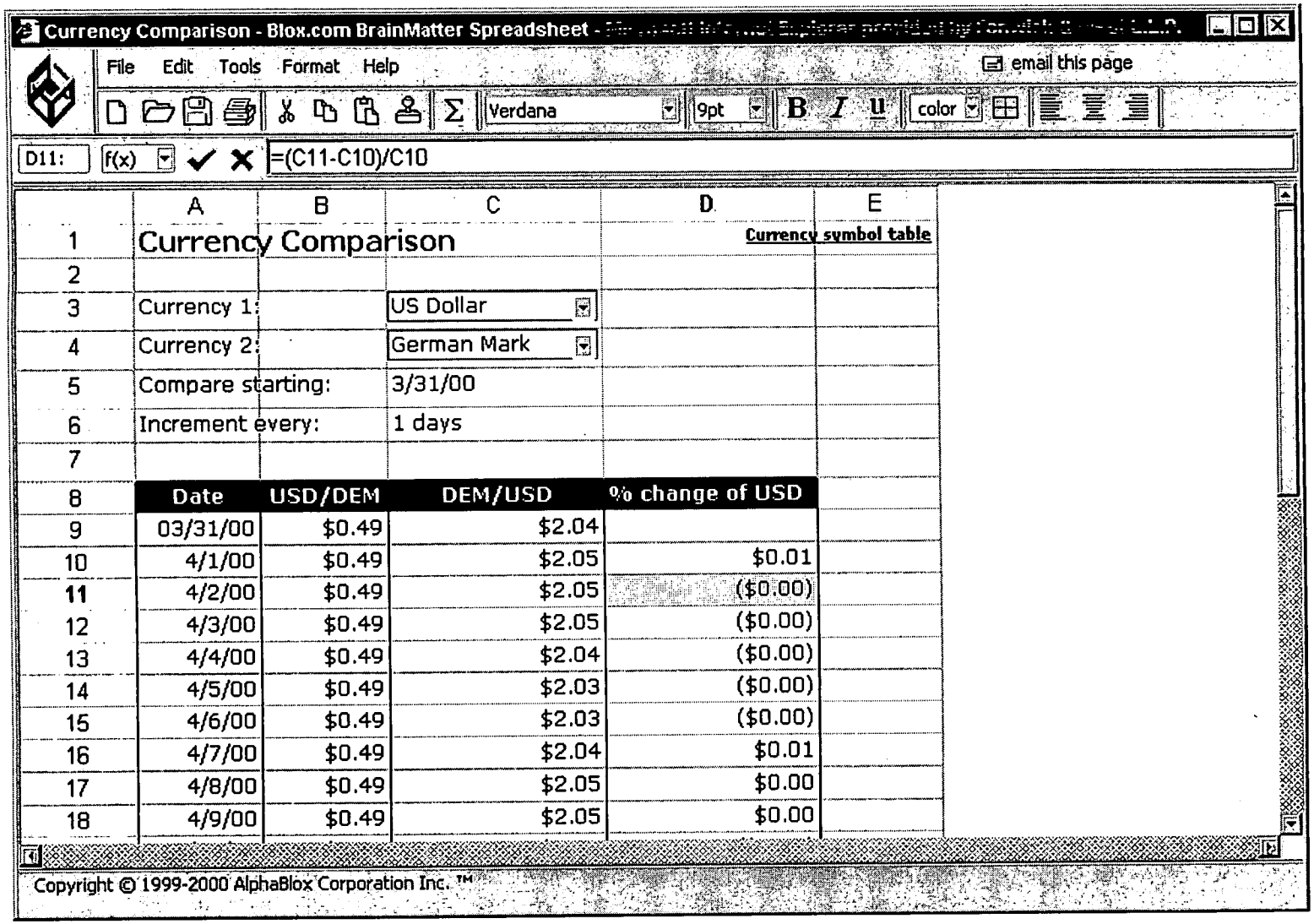


Fig. 18